

# Memorandum

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**To:** Mr. Le  
**From:** Kimberly Johnson  
**Date:** 7/31/02  
**Re:** Litigation search request 5,600,672

Attached please find the results of your litigation search. Please feel free to contact me if you have additional questions or concerns. Thank you and have a great day.

Kimberly Johnson  
TIS  
EIC 2600  
305-4071

Query/Command : prt max legalall

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

**PN** - US5600672 A 19970204 [US5600672]  
**TI** - (A) Communication system  
**PA** - (A) MATSUSHITA ELECTRIC IND CO LTD (JP)  
**IN** - (A) OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)  
**AP** - US24052194 19940510 [1994US-0240521]  
**PR** - US24052194 19940510 [1994US-0240521]  
JP6279891 19910327 [1991JP-0062798]  
JP9581391 19910425 [1991JP-0095813]  
JP15565091 19910529 [1991JP-0155650]  
JP18223691 19910723 [1991JP-0182236]  
JP6073992 19920317 [1992JP-0060739]  
JP13298493 19930510 [1993JP-0132984]  
JP26161293 19930924 [1993JP-0261612]  
JP34997293 19931227 [1993JP-0349972]  
JP7966894 19940324 [1994JP-0079668]  
US85762792 19920325 [1992US-0857627]  
**IC** - (A) H04B-001/38 H04L-005/16  
**EC** - H04L-001/00B1  
H04L-027/02  
H04L-027/04  
H04L-027/18M  
H04L-027/26M1  
H04L-027/26M1E  
H04L-027/34  
H04L-027/34M  
H04L-027/38N2  
H04N-005/44N  
H04N-007/24A  
H04N-007/26E  
H04N-007/54  
**PCL** - ORIGINAL (O) : 375219000; CROSS-REFERENCE (X) : 375270000 375301000 375321000  
**DT** - Basic  
**CT** - US5164963  
Shanmugam, "Digital and Analog Communication Systems" 1979, p. 272.  
**STG** - (A) United States patent  
**AB** - At the transmitter side, carrier waves are modulated according to an input signal for producing relevant signal points in a signal space diagram. The input signal is divided into, two, first and second, data streams. The signal points are divided into signal point groups to which data of the first data stream are assigned. Also, data of the second data stream are assigned to the signal points of each signal point group. A difference in the transmission error rate between first and second data streams is developed by shifting the signal points to other positions in the space diagram expressed at least in the polar coordinate system. At the receiver side, the first and/or second data streams can be reconstructed from a received signal. In TV broadcast service, a TV signal is divided by a transmitter into low and high frequency band components which are designated as first and second data streams respectively. Upon receiving the TV

signal, a receiver can reproduce only the low frequency band component or both the low and high frequency band components, depending on its capability. Furthermore, a communication system based on an OFDM system is utilized for data transmission of a plurality of subchannels, wherein the subchannels are differentiated by changing the length of a guard time slot or a carrier wave interval of a symbol transmission time slot, or changing the transmission electric power of the carrier.

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*1 / 1 LGST - ©LEGSTAT*

PN - US 5600672 [US5600672]  
DT - US-P  
ACT - 20020702 US/RF  
REISSUE APPLICATION FILED  
20020429  
UP - 2002-30

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*1 / 1 CRXX - ©CLAIMS/RRX*

PN - 5,600,672 A 19970204 [US5600672]  
PA - Matsushita Electric Industrial Co Ltd JP  
ACT - 19990204 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 19990420  
REISSUE REQUEST NUMBER: 09/244037  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000915 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001114  
REISSUE REQUEST NUMBER: 09/662695  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000919 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001114  
REISSUE REQUEST NUMBER: 09/666012  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000921 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001114

REISSUE REQUEST NUMBER: 09/667438  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000921 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010102  
REISSUE REQUEST NUMBER: 09/667525  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000925 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010313  
REISSUE REQUEST NUMBER: 09/668068  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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ISSUE DATE OF O.G.: 20010403  
REISSUE REQUEST NUMBER: 09/669916  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20000929 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010213  
REISSUE REQUEST NUMBER: 09/672948  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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ISSUE DATE OF O.G.: 20010501  
REISSUE REQUEST NUMBER: 09/672947  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:



20001005 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001128  
REISSUE REQUEST NUMBER: 09/678014  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001226  
REISSUE REQUEST NUMBER: 09/677420  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001226  
REISSUE REQUEST NUMBER: 09/677421  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001005 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010522  
REISSUE REQUEST NUMBER: 09/680176  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

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REISSUE REQUEST NUMBER: 09/680177  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001012 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20001128

REISSUE REQUEST NUMBER: 09/686464  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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REISSUE REQUEST NUMBER: 09/688028  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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ISSUE DATE OF O.G.: 20010102  
REISSUE REQUEST NUMBER: 09/686463  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001012 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010102  
REISSUE REQUEST NUMBER: 09/686466  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001012 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010102  
REISSUE REQUEST NUMBER: 09/686467  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20001012 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20010130  
REISSUE REQUEST NUMBER: 09/686465  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20020429 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20020611  
REISSUE REQUEST NUMBER: 10/133364  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

20020429 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20020702  
REISSUE REQUEST NUMBER: 10/133347  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2614

Reissue Patent Number:

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1 / 14 PAST - ©Thomson Derwent

AN - 200227-001786  
PN - 5600672 A [US5600672]  
OG - 2002-07-02  
ACT - REISSUE APPLICATION FILED

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2 / 14 PAST - ©Thomson Derwent

AN - 200224-001835  
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OG - 2002-06-11  
ACT - REISSUE APPLICATION FILED

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ACT - REISSUE APPLICATION FILED

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OG - 2001-05-01  
ACT - REISSUE APPLICATION FILED

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OG - 2001-04-03  
ACT - REISSUE APPLICATION FILED

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OG - 2001-03-13  
ACT - REISSUE APPLICATION FILED

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OG - 2001-02-13  
ACT - REISSUE APPLICATION FILED

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OG - 2001-01-30  
ACT - REISSUE APPLICATION FILED

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OG - 2001-01-02

ACT - REISSUE APPLICATION FILED

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AN - 200052-001219

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OG - 2000-12-26

ACT - REISSUE APPLICATION FILED

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OG - 2000-11-28

ACT - REISSUE APPLICATION FILED

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AN - 200046-001214

PN - 5600672 A [US5600672]

OG - 2000-11-14

ACT - REISSUE APPLICATION FILED

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14 / 14 PAST - ©Thomson Derwent

AN - 199916-001183

PN - 5600672 A [US5600672]

OG - 1999-04-20

ACT - REISSUE APPLICATION FILED

&lt;=1&gt; GET 1st DRAWING SHEET OF 178

February 4, 1997

Communication system

REISSUE: October 5, 2000 - Reissue Application filed Oct. 5, 2000 (O.G. Jun. 5, 2001) Ex. Gp.: 2614; Re. S.N. 09/680,177 Reissue Application filed Oct. 5, 2000 (O.G. May 22, 2001) Ex. Gp.: 2614; Re. S.N. 09/680, 176 Reissue Application filed Sep. 29, 2000 (O.G. May 1, 2001) Ex. Gp.: 2614; Re. S.N. 09/672,947 Reissue Application filed Sep. 25, 2000 (O.G. Apr. 3, 2001) Ex. Gp.: 2614; Re. S.N. 09/669,916 Reissue Application filed Sep. 25, 2000 (O.G. Mar. 13, 2001) Ex. Gp.: 2614; Re. S.N. 09/668, 068 Reissue Application filed Sep. 29, 2000 (O.G. Feb. 13, 2001) Ex. Gp.: 2614; Re. S.N. 09/672,948 Reissue Application filed Oct. 12, 2000 (O.G. Jan. 30, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,465 Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686, 467 Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,466 Reissue Application Filed Oct. 12, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/686,463 Reissue Application Filed Sep. 21, 2000 (O.G. Jan. 2, 2001) Ex. Gp.: 2614; Re. S.N. 09/667, 525 Reissue Application filed Oct. 5, 2000 (O.G. Dec. 26, 2000) Ex. Gp.: 2614; Re. S.N. 09/677,420 Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/688,028 Reissue Application filed Oct. 12, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/686, 464 Reissue Application filed Oct. 5, 2000 (O.G. Nov. 28, 2000) Ex. Gp.: 2614; Re. S.N. 09/678,014 Reissue Application filed Sep. 21, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/667,438 Reissue Application filed Sep. 19, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/666, 012 Reissue Application filed Sep. 15, 2000 (O.G. Nov. 14, 2000) Ex. Gp.: 2614; Re. S.N. 09/662,695 Reissue Application filed Feb. 4, 1999 (O.G. Apr. 20, 1999) Ex. Gp.: 2614; Re. S.N. 09/244,037 June 5, 2001; April 29, 2002 - Reissue Application filed Ex. Gp.: 2614; Re. S.N. 10/133,364 June 11, 2002; April 29, 2002 - Reissue Application filed Ex. Gp.: 2614; Re. S.N. 10/133,347 July 2, 2002

APPL-NO: 08240521

FILED-DATE: May 10, 1994

5,600,672 OR 5600672

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: CASES**

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5,600,672 OR 5600672

**LEXIS-NEXIS**  
**Library: PATENT**  
**File: JNLS**

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5,600,672 OR 5600672

**LEXIS-NEXIS**  
**Library: NEWS**  
**File: CURNWS**

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S2	1	PN=US 5600675
S3	1	PN=US 5600672

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3/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
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14464905

Basic Patent (No,Kind,Date): EP 506400 A2 19920930 <No. of Patents: 439>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
AT 205032	E	20010915	EP 93307575	A	19930924
AT 214214	E	20020315	EP 2000114692	A	19930326
AT 214215	E	20020315	EP 2000114699	A	19930326
AT 214216	E	20020315	EP 2000114702	A	19930326
AT 214217	E	20020315	EP 2000114700	A	19930326
AT 214218	E	20020315	EP 2000114695	A	19930326
AT 216812	E	20020515	EP 2000114689	A	19930326
AT 216813	E	20020515	EP 2000114690	A	19930326
AT 216814	E	20020515	EP 2000114694	A	19930326
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EP 741382	A1	19961106	EP 95938017	A	19951116
EP 802527	A1	19971022	EP 96932845	A	19961008
EP 807929	A1	19971119	EP 96915172	A	19960515
EP 971345	A1	20000112	EP 97949124	A	19971217
EP 973335	A1	20000119	EP 99119278	A	19920326
EP 975168	A1	20000126	EP 99119266	A	19920326
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PATENT FAMILY:

AUSTRIA (AT)

Patent (No,Kind,Date): AT 205032 E 20010915  
MEHRFACHAUFLOESUNGSUEBERTRAGUNGSSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A  
19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 93307575 A 19930924  
Addnl Info: 589709 20010829  
IPC: \* H04L-001/00; H04L-027/18  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): AT 214214 E 20020315  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI VERWENDUNG VON  
MEHRTRAEGERSIGNALEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 2000114692 A 19930326  
Addnl Info: 1039675 20020306  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German

Patent (No,Kind,Date): AT 214215 E 20020315  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG BEI MEHRTRAEGERMODULATION (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 2000114699 A 19930326  
Addnl Info: 1039680 20020306

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
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G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): AT 214216 E 20020315  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESEONDERE MIT  
MEHRTRAEGERSIGNALEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 2000114702 A 19930326  
Addnl Info: 1039682 20020306  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): AT 214217 E 20020315  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN UND FEHLERKORRIEGIERENDE  
KODIERUNG MIT MEHRTRAEGERSIGNALEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 2000114700 A 19930326  
Addnl Info: 1045541 20020306  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
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G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): AT 214218 E 20020315  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN BEI MEHRTRAEGERSIGNALEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 2000114695 A 19930326  
Addnl Info: 1049284 20020306  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
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G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): AT 216812 E 20020515  
UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A

19920925

Applic (No,Kind,Date): EP 2000114689 A 19930326

Addnl Info: 1039673 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

Patent (No,Kind,Date): AT 216813 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114690 A 19930326

Addnl Info: 1039674 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

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UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESONDERE MIT  
MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114694 A 19930326

Addnl Info: 1039676 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

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Language of Document: German

Patent (No,Kind,Date): AT 216815 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERMODULATION (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114696 A 19930326

Addnl Info: 1039677 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

Patent (No,Kind,Date): AT 216816 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLOESUNGEN, INSBESONDERE BEI  
MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A

19920925

Applic (No,Kind,Date): EP 2000114697 A 19930326

Addnl Info: 1039678 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

Patent (No,Kind,Date): AT 216817 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114698 A 19930326

Addnl Info: 1039679 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

Patent (No,Kind,Date): AT 216818 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114701 A 19930326

Addnl Info: 1039681 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

Patent (No,Kind,Date): AT 216819 E 20020515

UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALLEN (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925

Applic (No,Kind,Date): EP 2000114693 A 19930326

Addnl Info: 1049283 20020424

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: German

#### AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):

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			(ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.)
AT	214214	R	20020315 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039675 P 20020306
AT	214215	R	20020315 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039680 P 20020306
AT	214216	R	20020315 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039682 P 20020306
AT	214217	R	20020315 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1045541 P 20020306
AT	214218	R	20020315 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1049284 P 20020306
AT	216812	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039673 P 20020424
AT	216813	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039674 P 20020424
AT	216814	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039676 P 20020424
AT	216815	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039677 P 20020424
AT	216816	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039678 P 20020424
AT	216817	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039679 P 20020424
AT	216818	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1039681 P 20020424
AT	216819	R	20020515 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT) EP 1049283 P 20020424

# AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9335520 A1 19930930  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): AU 9335520 A 19930326  
 IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40; H04N-005/455; H04L-027/34; G11B-020/12  
 Language of Document: English  
 Patent (No,Kind,Date): AU 9459052 A1 19941020  
 COMPATIBLE HDTV SATELLITE BROADCASTING SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
 Applic (No,Kind,Date): AU 9459052 A 19940325  
 IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455; H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
 Derwent WPI Acc No: ; G 94-342258  
 Language of Document: English  
 Patent (No,Kind,Date): AU 655539 B2 19941222  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A



19920925

Applic (No,Kind,Date): AU 9335520 A 19930326  
IPC: \* H04L-027/36; H04L-027/38; H04N-007/20; H04N-005/40;  
H04N-005/455; H04L-027/34; G11B-020/12  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): AU 660123 B2 19950608  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924  
Applic (No,Kind,Date): AU 9459052 A 19940325  
IPC: \* H04N-007/20; H04N-007/12; H04N-005/40; H04N-005/455;  
H04B-007/204; H04B-007/216; H04B-007/17; H04L-001/00; H03M-013/00  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
Language of Document: English

CANADA (CA)

Patent (No,Kind,Date): CA 2092495 AA 19930927  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): CA 2092495 A 19930325  
IPC: \* H04B-007/24; H04N-005/76; H04N-009/80  
Language of Document: English  
Patent (No,Kind,Date): CA 2106919 AA 19940326  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A  
19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): CA 2106919 A 19930924  
IPC: \* H04J-004/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): CA 2113842 AA 19940722  
RECORDING AND REPRODUCING APPARATUS (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): CA 2113842 A 19940119  
IPC: \* G11B-007/24; G11B-007/125; G11B-005/10  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2113877 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
(English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): CA 2113877 A 19940120  
IPC: \* G11B-007/24; G11B-007/26  
Derwent WPI Acc No: \* G 93-313529  
Language of Document: English  
Patent (No,Kind,Date): CA 2119983 AA 19940926  
COMMUNICATION SYSTEM (English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
Applic (No,Kind,Date): CA 2119983 A 19940325  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 94-103292  
Language of Document: English  
Patent (No,Kind,Date): CA 2226398 AA 19940722  
INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
(English; French)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): USHIGOME HISASHI (JP); KOMODA HIDEAKI (JP);  
OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): CA 2113877 A3 19940120; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119  
Applic (No,Kind,Date): CA 2226398 A 19940120  
IPC: \* G11B-007/00; G11B-007/28  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451  
Language of Document: English

TAIWAN (TW)

Patent (No,Kind,Date): TW 462039 B 20011101  
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)  
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; WO 94JP2304 W  
19941228  
Applic (No,Kind,Date): TW 86102384 A 19950126  
IPC: \* G11B-019/02  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 96-062972; G 98-181451; G 01-018026

CHINA (CN)

Patent (No,Kind,Date): CN 1066946 A 19921209  
DIGITAL COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): MITSUAKI OSHIMA (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A  
19910723  
Applic (No,Kind,Date): CN 92102955 A 19920327  
IPC: \* H04B-001/00; H04N-007/13  
Derwent WPI Acc No: \* G 92-325674  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1075024 A 19930804  
RECORDING/REPRODUCING EQUIPMENT (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 92280874 A  
19920925  
Applic (No,Kind,Date): CN 93100918 A 19930128  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1076816 A 19930929  
SYSTEM OF COMMUNICATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): TAISHIMA MITSUTERU (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92246070 A  
19920925  
Applic (No,Kind,Date): CN 93102721 A 19930325  
IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
Derwent WPI Acc No: \* G 93-305235  
Language of Document: Chinese  
Patent (No,Kind,Date): CN 1085680 A 19940420  
RECORD REPLAYING APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP);  
 SHIMIZU RYOSUKE (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A  
 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP  
 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A  
 19921211  
 Applic (No,Kind,Date): CN 93105219 A 19930326  
 IPC: \* G11B-013/04  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 95-341616; G 96-062972; G 98-181451  
 JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136;  
 180618P000070  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1096389 A 19941214  
 RECORDING AND REPRODUCING APPTS. (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
 TOSHIKAZU (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A  
 19931119  
 Applic (No,Kind,Date): CN 94101055 A 19940121  
 IPC: \* G11B-011/12  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 94-250560  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1098810 A 19950215  
 APPARATUS FOR REGENERATION OF RECORDING AND RECORDING MEDIUM AND  
 MANUFACTURE OF SAME (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);  
 USHIGOME HISASHI (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93314114 A  
 19931119  
 Applic (No,Kind,Date): CN 94101336 A 19940121  
 IPC: \* G11B-007/24; G11B-011/12  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 94-250560; G 95-116722  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1099544 A 19950301  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93261612 A  
 19930924  
 Applic (No,Kind,Date): CN 94103352 A 19940325  
 IPC: \* H04N-007/08; H04L-027/32  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1119895 A 19960403  
 OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
 REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
 DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93335165 A 19931228; JP 94299508 A  
 19941202  
 Applic (No,Kind,Date): CN 94191566 A 19941228  
 Derwent WPI Acc No: \* G 95-246541  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1127049 A 19960717  
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL  
 INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A  
 19941117

Applic (No,Kind,Date): CN 95190313 A 19950418  
 IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
 ; G11B-007/09  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
 96-268785  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1138915 A 19961225  
 MARKING GENERATING APPTS., METHOD OF FORMING LASER MARKING ON OPTICAL  
 DISK, REPRODUCING APPTS., OPTICAL DISK AND OPTICAL DISK PRODUCING  
 METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC INDUTRIAL (JP)  
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHO GOTOH (JP)  
 Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
 19950202  
 Applic (No,Kind,Date): CN 95191218 A 19951116  
 IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
 Derwent WPI Acc No: \* G 95-373939; G 96-268785  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1166223 A 19971126  
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL PRODUCING DEVICE, ENCRYPTED  
 COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIO GOTOH (JP); SHINICHI  
 TANAKA (JP)  
 Priority (No,Kind,Date): JP 96211304 A 19960809; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): CN 96191182 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1173942 A 19980218  
 OPTICAL DISK, OPTICAL REOCORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
 COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OSHIMA (JP); YOSHIHHO GOTOH (JP);  
 SHINICHI TANAKA (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): CN 96191826 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1250278 A 20000412  
 TELECOMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUTERU DAIJIMA (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
 19930510; JP 93261612 A 19930924  
 Applic (No,Kind,Date): CN 99108470 A 19990616  
 IPC: \* H04J-001/00; H04L-027/00; H04N-011/24  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1305310 A 20010725  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OTORI (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
 19930510; JP 93261612 A 19930924  
 Applic (No,Kind,Date): CN 2000133827 A 20001030  
 IPC: \* H04N-007/08; H04L-027/32  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G  
 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G  
 01-063440; G 01-063441  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1305311 A 20010725  
 COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OTORI (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
 Applic (No,Kind,Date): CN 2000133828 A 20001030  
 IPC: \* H04N-007/08; H04L-027/32  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1305312 A 20010725  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OTORI (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
 Applic (No,Kind,Date): CN 2000133829 A 20001030  
 IPC: \* H04N-007/08; H04L-027/32  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1305313 A 20010725  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OTORI (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924  
 Applic (No,Kind,Date): CN 2000133830 A 20001030  
 IPC: \* H04N-007/08; H04L-027/32  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1342979 A 20020403  
 RECORDING DEVICE, RECORDING MEDIUM AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MATSUAKI OSHIMA (JP); YOSHIMINORU GOTO (JP)  
 Priority (No,Kind,Date): JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203  
 Applic (No,Kind,Date): CN 2001123049 A 20010720  
 IPC: \* G11B-020/10; G11B-019/02; G11B-013/04  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1032099 B 19960619  
 SYSTEM OF COMMUNICATION (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): TAISHIMA MITSUTERU (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): CN 93102721 A 19930325  
 IPC: \* H04B-007/00; H04N-007/12; H04N-011/00  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Chinese  
 Patent (No,Kind,Date): CN 1036952 B 19980107  
 RECORD REPLAYING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OSHIMA (JP); MICHIO TANAKA (JP); RYOSUKE SHIMIZU (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211  
 Applic (No,Kind,Date): CN 93105219 A 19930326  
 IPC: \* G11B-013/04

Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-341616; G 96-062972; G 98-181451  
JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136;  
180618P000070

Language of Document: Chinese

Patent (No,Kind,Date): CN 1045036 B 19990908

TRANSMISSION APPARATUS (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): MITSUAKI OSHIMA (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 91182236 A  
19910723; JP 91155650 A 19910529; JP 9195813 A 19910425

Applic (No,Kind,Date): CN 92102955 A 19920327

IPC: \* H04B-001/00; H04N-007/13

Derwent WPI Acc No: \* G 92-325674; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: Chinese

#### GERMANY (DE)

Patent (No,Kind,Date): DE 69223541 CO 19980129

SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317

Applic (No,Kind,Date): DE 69223541 A 19920326

IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354

JAPIO Reference No: \* 180152E000002

Language of Document: German

Patent (No,Kind,Date): DE 69232523 CO 20020502

SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317

Applic (No,Kind,Date): DE 69232523 A 19920326

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G

00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: German

Patent (No,Kind,Date): DE 69232526 CO 20020502

SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317

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IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G

00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

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SIGNALUEBERTRAGUNGSSYSTEM (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
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IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G

00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
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 Patent (No,Kind,Date): DE 69232529 C0 20020502  
 SIGNALUEBERTRAGUNGSSYSTEM (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
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 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
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 Applic (No,Kind,Date): DE 69232529 A 19920326  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
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 Language of Document: German  
 Patent (No,Kind,Date): DE 69232530 C0 20020502  
 SIGNALUEBERTRAGUNGSSYSTEM (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
 9260739 A 19920317  
 Applic (No,Kind,Date): DE 69232530 A 19920326  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69330665 C0 20011004  
 MEHRFACHAUFLÖSUNGSUEBERTRAGUNGSSYSTEM (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A  
 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): DE 69330665 A 19930924  
 IPC: \* H04L-001/00; H04L-027/18  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G  
 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331667 C0 20020411  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI VERWENDUNG VON  
 MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
 19920925  
 Applic (No,Kind,Date): DE 69331667 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331668 C0 20020411  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE  
 KODIERUNG BEI MEHRTRAEGERMODULATION (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): DE 69331668 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331669 C0 20020411  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN, INSBESONDERE MIT MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): DE 69331669 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331670 C0 20020411  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN UND FEHLERKORRIEGIERENDE KODIERUNG MIT MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): DE 69331670 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331671 C0 20020411  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): DE 69331671 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331853 C0 20020529  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)



Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): DE 69331853 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): DE 69331854 C0 20020529  
UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERSIGNALLEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): DE 69331854 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): DE 69331855 C0 20020529  
UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN, INSBESONDERE MIT  
MEHRTRAEGERSIGNALLEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): DE 69331855 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): DE 69331856 C0 20020529  
UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE  
KODIERUNG, BEI MEHRTRAEGERMODULATION (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): DE 69331856 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: German  
Patent (No,Kind,Date): DE 69331857 C0 20020529  
UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN, INSBESONDERE BEI  
MEHRTRAEGERSIGNALLEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
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Applic (No,Kind,Date): DE 69331857 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
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 Language of Document: German  
 Patent (No,Kind,Date): DE 69331858 C0 20020529  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
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 Applic (No,Kind,Date): DE 69331858 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
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 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
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 Language of Document: German  
 Patent (No,Kind,Date): DE 69331859 C0 20020529  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN SOWIE FEHLERKORRIGIERENDE  
 KODIERUNG, BEI MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
 19920925  
 Applic (No,Kind,Date): DE 69331859 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69331860 C0 20020529  
 UEBERTRAGUNG MIT MEHREREN AUFLÖSUNGEN BEI MEHRTRAEGERSIGNALEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
 19920925  
 Applic (No,Kind,Date): DE 69331860 A 19930326  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69426795 C0 20010412  
 AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A  
 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP  
 93314114 A 19931119  
 Applic (No,Kind,Date): DE 69426795 A 19940727  
 IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
 ; G11B-023/28  
 Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
 01-018026  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69523139 C0 20011115

GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER  
LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND  
VERFAHREN ZU DEREN HERSTELLUNG (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202; JP 95261247 A 19951009; WO 95JP2339 W 19951116

Applic (No,Kind,Date): DE 69523139 A 19951116

IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09; G11B-020/00; G06F-001/00

Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69610859 C0 20001207

OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applic (No,Kind,Date): DE 69610859 A 19960515

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69610860 C0 20001207

OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKODES TRAEGT  
(German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applic (No,Kind,Date): DE 69610860 A 19960515

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69610861 C0 20001207

OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applic (No,Kind,Date): DE 69610861 A 19960515

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69611906 C0 20010405

OPTISCHE PLATTE MIT STRICKODE (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; WO 96JP1303 W 19960515

Applic (No,Kind,Date): DE 69611906 A 19960515

IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10;  
G11B-020/00; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German

Patent (No,Kind,Date): DE 69613010 C0 20010628

OPTISCHES AUFZEICHNUNGSGERAET (German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): DE 69613010 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69613011 C0 20010628  
 OPTISCHES AUFZEICHNUNGSGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): DE 69613011 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69613156 C0 20010705  
 OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER  
 INFORMATIONEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): DE 69613156 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69614580 C0 20010920  
 WIEDERGABEGERAET FUER OPTISCHE PLATTEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): DE 69614580 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69614823 C0 20011004  
 AUFZEICHNUNGSGERAET FUER OPTISCHE PLATTEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008  
 Applic (No,Kind,Date): DE 69614823 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69615418 C0 20011025  
 OPTISCHE PLATTE UND OPTISCHES WIEDERGABEGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): DE 69615418 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38

; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69617478 CO 20020110  
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69617478 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69618633 CO 20020221  
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69618633 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69618672 CO 20020228  
OPTISCHE PLATTE ZUR ANWENDUNG IN EINEM VERSCHLUESSEL- ODER PROGRAMMLIZENZSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69618672 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69620919 CO 20020529  
OPTISCHES AUFZEICHNUNGSGERAET UND AUFZEICHNUNGSVERFAHREN MIT VERSCHLUESSELUNG (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69620919 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69621053 CO 20020606  
OPTISCHE PLATTE ZUR ANWENDUNG IN EINEM VERSCHLUESSEL- ODER PROGRAMMLIZENZSYSTEM (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69621053 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: German  
 Patent (No,Kind,Date): DE 69621357 C0 20020627  
 OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER  
 INFORMATIONEN (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): DE 69621357 A 19961008  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69223541 T2 19980409  
 SIGNALUEBERTRAGUNGSSYSTEM (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
 9260739 A 19920317  
 Applic (No,Kind,Date): DE 69223541 A 19920326  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69426795 T2 20011108  
 AUFZEICHNUNGS- UND WIEDERGABEGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A  
 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP  
 93314114 A 19931119  
 Applic (No,Kind,Date): DE 69426795 A 19940727  
 IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
 ; G11B-023/28  
 Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
 01-018026  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69523139 T2 20020131  
 GERAET ZUR ERZEUGUNG EINER MARKIERUNG, VERFAHREN ZUR ERZEUGUNG EINER  
 LASERMARKIERUNG AUF EINER OPTISCHEN PLATTE, OPTISCHE PLATTE UND  
 VERFAHREN ZU DEREN HERSTELLUNG (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
 19950202; JP 95261247 A 19951009; WO 95JP2339 W 19951116  
 Applic (No,Kind,Date): DE 69523139 A 19951116  
 IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
 ; G11B-007/09; G11B-020/00; G06F-001/00  
 Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69610859 T2 20010315  
 OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): DE 69610859 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69610860 T2 20010315

OPTISCHE SCHEIBE DIE INFORMATION IN DER FORM EINES STRICKODES TRAEGET  
(German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69610860 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69610861 T2 20010315  
OPTISCHE SCHEIBE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): DE 69610861 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69611906 T2 20010621  
OPTISCHE PLATTE MIT STRICKODE (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; WO 96JP1303 W 19960515  
Applic (No,Kind,Date): DE 69611906 A 19960515  
IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10; G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69613010 T2 20011115  
OPTISCHES AUFZEICHNUNGSGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69613010 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69613011 T2 20011115  
OPTISCHES AUFZEICHNUNGSGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69613011 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69613156 T2 20011025  
OPTISCHES WIEDERGABEGERAET ZUR WIEDERGABE VERSCHLUESSELTER INFORMATIONEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA

YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): DE 69613156 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69614580 T2 20020411  
WIEDERGABEGERAET FUER OPTISCHE PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69614580 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69614823 T2 20020411  
AUFZEICHNUNGSGERAET FUER OPTISCHE PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008  
Applic (No,Kind,Date): DE 69614823 A 19961008  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69615418 T2 20020606  
OPTISCHE PLATTE UND OPTISCHES WIEDERGABEGERAET (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69615418 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69617478 T2 20020508  
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69617478 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: German  
Patent (No,Kind,Date): DE 69618633 T2 20020508  
OPTISCHE PLATTE UND GERAET ZUR WIEDERGABE OPTISCHER PLATTEN (German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123  
Applic (No,Kind,Date): DE 69618633 A 19960515  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119



Language of Document: German

GERMANY (DE)

Legal Status (No, Type, Date, Code, Text):

DE 69223541	P	19980129	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 506400	P 19980129		
DE 69223541	P	19980409	DE 8373	TRANSLATION OF PATENT	
				DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND	
				HAS BEEN PUBLISHED (UEBERSETZUNG DER	
				PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST	
				EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69223541	P	19990121	DE 8364	NO OPPOSITION DURING TERM OF	
				OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE	
				DASS EINSPRUCH ERHOBEN WURDE)	
DE 69232523	P	20020502	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 766478	P 20020502		
DE 69232526	P	20020502	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 975168	P 20020502		
DE 69232527	P	20020502	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 975171	P 20020502		
DE 69232529	P	20020502	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 975172	P 20020502		
DE 69232530	P	20020502	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 975173	P 20020502		
DE 69330665	P	20011004	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 589709	P 20011004		
DE 69330665	P	20020328	DE 8332	NO LEGAL EFFECT FOR DE	
				(WIRKUNG FUER DE NICHT EINGETRETEN)	
DE 69331667	P	20020411	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039675	P 20020411		
DE 69331668	P	20020411	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039680	P 20020411		
DE 69331669	P	20020411	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039682	P 20020411		
DE 69331670	P	20020411	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1045541	P 20020411		
DE 69331671	P	20020411	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1049284	P 20020411		
DE 69331853	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039673	P 20020529		
DE 69331854	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039674	P 20020529		
DE 69331855	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039676	P 20020529		
DE 69331856	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039677	P 20020529		
DE 69331857	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039678	P 20020529		
DE 69331858	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)
		EP 1039679	P 20020529		
DE 69331859	P	20020529	DE REF	CORRESPONDS TO	(ENTSPRICHT)

DE 69331860	P	EP 1039681 P 20020529 20020529 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69426795	P	EP 1049283 P 20020529 20010412 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69426795	P	EP 637016 P 20010412 20011108 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69426795	P	20020404 DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)
DE 69523139	P	20011115 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69523139	P	EP 741382 P 20011115 20020131 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69610859	P	20001207 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69610859	P	EP 1003162 P 20001207 20010315 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69610860	P	20001207 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69610860	P	EP 1005034 P 20001207 20010315 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69610861	P	20001207 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69610861	P	EP 1005035 P 20001207 20010315 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69611906	P	20010405 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69611906	P	EP 807929 P 20010405 20010621 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69611906	P	20020328 DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)
DE 69613010	P	20010628 DE REF	CORRESPONDS TO (ENTSPRICHT)
DE 69613010	P	EP 1005026 P 20010628 20011115 DE 8373	TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPÄISCHEN PATENTES IST EINGEGANGEN UND VERÖFFENTLICHT WORDEN)
DE 69613010	P	20020627 DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE

DE 69613011	P	20010628	DE REF	DASS EINSPRUCH ERHOBEN WURDE)	CORRESPONDS TO (ENTSPRICHT)
DE 69613011	P	20011115	DE 8373	EP 1005027 P 20010628 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69613011	P	20020627	DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)	
DE 69613156	P	20010705	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69613156	P	20011025	DE 8373	EP 1005024 P 20010705 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69613156	P	20020627	DE 8364	NO OPPOSITION DURING TERM OF OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE)	
DE 69614580	P	20010920	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69614580	P	20020411	DE 8373	EP 1031974 P 20010920 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69614823	P	20011004	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69614823	P	20020411	DE 8373	EP 802527 P 20011004 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69615418	P	20011025	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69615418	P	20020606	DE 8373	EP 1005033 P 20011025 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69617478	P	20020110	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69617478	P	20020508	DE 8373	EP 1006517 P 20020110 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69618633	P	20020221	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69618633	P	20020508	DE 8373	EP 1006516 P 20020221 TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN)	
DE 69618672	P	20020228	DE REF	CORRESPONDS TO (ENTSPRICHT)	
DE 69620919	P	20020529	DE REF	EP 1005025 P 20020228 CORRESPONDS TO (ENTSPRICHT)	

EP 1005028 P 20020529  
DE 69621053 P 20020606 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1024478 P 20020606  
DE 69621357 P 20020627 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 1005023 P 20020627

DENMARK (DK)

Patent (No,Kind,Date): DK 1039675 T3 20020624  
MULTIOPLOESNINGSTRANSMISSION OG FEJLKORREKTIONSODNING MED  
MULTIBAEREBOELGEMODULATION (Danish)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): DK 9393302369 L 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): DK 114692 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: Danish

Patent (No,Kind,Date): DK 1039680 T3 20020624  
MULTIOPLOESNINGSTRANSMISSION OG FEJLKORREKTIONSODNING MED  
MULTIBAEREBOELGEMODULATION (Danish)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): DK 9393302369 L 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): DK 114699 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: Danish

Patent (No,Kind,Date): DK 1039682 T3 20020624  
MULTIOPLOESNINGSTRANSMISSION OG FEJLKORREKTIONSODNING MED  
MULTIBAEREBOELGEMODULATION (Danish)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): DK 9393302369 L 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): DK 114702 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: Danish

Patent (No,Kind,Date): DK 1045541 T3 20020624  
MULTIOPLOESNINGSTRANSMISSION OG FEJLKORREKTIONSODNING MED  
MULTIBAEREBOELGEMODULATION (Danish)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): DK 9393302369 L 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): DK 114700 A 19930326

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: Danish  
Patent (No,Kind,Date): DK 1049284 T3 20020624  
MULTIOPLOESNINGSTRANSMISSION OG FEJLKORREKTIONS KODNING MED  
MULTIBAEREBOELGEMODULATION (Danish)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): DK 9393302369 L 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): DK 114695 A 19930326  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: Danish

# EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 562875 A1 19930929  
MULTIRESOLUTION QAM SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): EP 93302369 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/34; H04N-007/13  
Derwent WPI Acc No: ; G 93-305235  
Language of Document: English  
Patent (No,Kind,Date): EP 617531 A1 19940928  
MULTIRESOLUTION TRANSMISSION SYSTEM. (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 93261612 A 19930924  
Applic (No,Kind,Date): EP 94302149 A 19940324  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-005/06; H04L-027/18; H04N-007/13  
Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G  
00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G  
01-063440; G 01-063441; G 94-311606  
Language of Document: English  
Patent (No,Kind,Date): EP 689200 A1 19951227  
OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK,  
REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL  
DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)  
Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A  
19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP  
94156089 A 19940707; JP 94299508 A 19941202  
Applic (No,Kind,Date): EP 95904033 A 19941228  
Designated States: (National) DE; FR; GB; IT  
IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00;  
G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 706174 A1 19960410  
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203  
 Applic (No,Kind,Date): EP 95915345 A 19950418  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06; G11B-007/09  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 741382 A1 19961106  
 MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK PRODUCING METHOD (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
 Applic (No,Kind,Date): EP 95938017 A 19951116  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
 Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 802527 A1 19971022  
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 96932845 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 807929 A1 19971119  
 OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 96915172 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 971345 A1 20000112  
 OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK

RECORDING DEVICE (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA M (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)  
 Priority (No,Kind,Date): WO 97JP4664 W 19971217; JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924  
 Applic (No,Kind,Date): EP 97949124 A 19971217  
 Designated States: (National) DE; FR; GB; IT; NL  
 IPC: \* G11B-011/10; G11B-007/00; G06F-012/14  
 Derwent WPI Acc No: \* G 98-363034  
 Language of Document: English  
 Patent (No,Kind,Date): EP 973335 A1 20000119  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): EP 99119278 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-108239  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975168 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): EP 99119266 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184726  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975169 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): EP 99121006 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184727  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975170 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A

19920317  
 Applic (No,Kind,Date): EP 99121007 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731; G 00-184728  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975171 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
 19920317  
 Applic (No,Kind,Date): EP 99121008 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731; G 00-118426  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975172 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
 19920317  
 Applic (No,Kind,Date): EP 99121024 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731; G 00-184729  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975173 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
 19920317  
 Applic (No,Kind,Date): EP 99121025 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731; G 00-184730  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 975174 A1 20000126  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
 19920317  
 Applic (No,Kind,Date): EP 99121026 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34



Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: English

Patent (No,Kind,Date): EP 1003162 A1 20000524

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123

Applic (No,Kind,Date): EP 2000103257 A 19960515

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005023 A1 20000531

OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102965 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00; G06F-001/00; G11B-019/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005024 A1 20000531

OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED INFORMATION (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102966 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00; G06F-001/00; G11B-019/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005025 A1 20000531

OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2000102967 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00; G06F-001/00; G11B-019/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 1005026 A1 20000531

OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102968 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005027 A1 20000531  
 OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102969 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005028 A1 20000531  
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102971 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005033 A1 20000531  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000101774 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005034 A1 20000531  
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000101775 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

Patent (No,Kind,Date): EP 1005035 A1 20000531  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
 French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000104818 A 19960515  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;  
 IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

Patent (No,Kind,Date): EP 1006516 A1 20000607  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
 French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000105014 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

Patent (No,Kind,Date): EP 1006517 A1 20000607  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
 French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000106447 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

Patent (No,Kind,Date): EP 1024478 A1 20000802  
 OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102970 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

Patent (No,Kind,Date): EP 1028422 A1 20000816  
 AN OPTICAL DISK, AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
 French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA  
 MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000109898 A 19960515  
 Designated States: (National) DE; FR; GB

IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1028423 A1 20000816  
 AN OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); KOISHI KENJI (JP); OSHIMA  
 MITSUAKI (JP); MORIYA MITSURO (JP); TANAKA SHINICHI (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000109899 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1030297 A1 20000823  
 AN OPTICAL DISK AND AN OPTICAL DISK RECORDING METHOD (English; French;  
 German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000110461 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1031974 A1 20000830  
 AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000112310 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1049334 A1 20001102  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3  
 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP  
 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A  
 19920317  
 Applic (No,Kind,Date): EP 2000114691 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04L-027/34; H04N-007/04  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1168328 A1 20020102  
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION  
 SYSTEM AND PROGRAM LICENSE SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA

SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)

Priority (No,Kind,Date): EP 2000102970 A3 19961008; EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809

Applic (No,Kind,Date): EP 2001120681 A 19961008

Designated States: (National) DE; FR; GB

IPC: \* G11B-020/00; G06F-001/00; G11B-019/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 506400 A2 19920930

SIGNAL TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)

Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): EP 92302627 A 19920326

Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/13; H04N-007/04

Derwent WPI Acc No: ; G 92-325674

Language of Document: English

Patent (No,Kind,Date): EP 555031 A2 19930811

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925

Applic (No,Kind,Date): EP 93300695 A 19930129

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/00; G11B-011/10; G11B-013/04

Derwent WPI Acc No: ; G 93-251292

Language of Document: English

Patent (No,Kind,Date): EP 564187 A2 19931006

RECORDING AND REPRODUCING APPARATUS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP); SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)

Priority (No,Kind,Date): JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A 19921211; JP 938596 A 19930121

Applic (No,Kind,Date): EP 93302365 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04

Derwent WPI Acc No: ; G 93-313529

Language of Document: English

Patent (No,Kind,Date): EP 589709 A2 19940330

MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): EP 93307575 A 19930924

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18

Derwent WPI Acc No: \* G 93-305235

Language of Document: English

Patent (No,Kind,Date): EP 608126 A2 19940727

INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP);

USHIGOME HISASHI (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94300403 A 19940119  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/04; G11B-023/44  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G 94-236841  
 Language of Document: English  
 Patent (No,Kind,Date): EP 609013 A2 19940803  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94300402 A 19940119  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G 94-242360  
 Language of Document: English  
 Patent (No,Kind,Date): EP 609617 A2 19940810  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201  
 Applic (No,Kind,Date): EP 93309619 A 19931201  
 Designated States: (National) BE; DE; FR; GB; NL  
 IPC: \* G06F-001/18  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 637016 A2 19950201  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94305557 A 19940727  
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
 IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00; G11B-023/28  
 Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026; G 95-116722  
 Language of Document: English  
 Patent (No,Kind,Date): EP 766478 A2 19970402  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): EP 96119060 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731; G 97-195354  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 833319 A2 19980401  
DISC-SHAPED RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 97118775 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026; G 98-181451  
Language of Document: English  
Patent (No,Kind,Date): EP 844611 A2 19980527  
OPTICAL DISK (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 98100524 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/007; G11B-007/24  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 844612 A2 19980527  
APPARATUS FOR REPRODUCING INFORMATION FROM AN OPTICAL DISC (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
Priority (No,Kind,Date): EP 94300403 A3 19940119; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 98100525 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-020/00; G11B-013/04; G11B-007/24; G11B-007/007  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A2 20000913  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38 ; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-595507  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-005/44  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063437  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035695 A2 20000913  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063438  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035696 A2 20000913  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114577 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/34; H04L-027/26; H04L-027/18; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063439  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035697 A2 20000913  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114578 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;



IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/02; H04L-027/34; H04L-027/18; H04L-027/26; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063440  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1035698 A2 20000913  
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): EP 2000114579 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/02; H04L-027/18; H04L-027/34; H04L-027/26; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039672 A2 20000927  
 MULTIREOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): EP 2000114576 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-589072  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039673 A2 20000927  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114689 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-589073  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039674 A2 20000927  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114690 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-589074  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039675 A2 20000927  
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French ; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114692 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-589075  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039676 A2 20000927  
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114694 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566; G 00-589076  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039677 A2 20000927  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH MULTICARRIER MODULATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114696 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;

G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-589077  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039678 A2 20000927  
 MULTIREOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114697 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-580985  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039679 A2 20000927  
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
 ; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114698 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-589078  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039680 A2 20000927  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER MODULATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114699 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-580986  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039681 A2 20000927  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114701 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-580987  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039682 A2 20000927  
 MULTIREOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114702 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 00-580988  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1045541 A2 20001018  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114700 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1049282 A2 20001102  
 MULTIREOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;  
 German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): EP 2000114574 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/34; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English

Patent (No,Kind,Date): EP 1049283 A2 20001102  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114693 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1049284 A2 20001102  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114695 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English

Patent (No,Kind,Date): EP 1050879 A2 20001108  
RECORDING AND REPRODUCING APPARATUS WITH MEANS FOR ENCRYPTION OF  
INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 94305557 A3 19940727; JP 93205682 A  
19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): EP 2000115017 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-020/00; G06F-001/00; G11B-007/00; G11B-013/04; G11B-019/02  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
01-018026; G 01-018026  
Language of Document: English

Patent (No,Kind,Date): EP 1120777 A2 20010801  
OPTICAL DISK (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): EP 95938017 A3 19951116; JP 94283415 A  
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): EP 2001108949 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/12; G11B-027/10; G11B-020/00;  
G11B-007/007; G11B-007/26; G11B-019/02; G11B-019/12; G11B-011/105;  
G11B-023/28; G11B-013/04; G11B-027/30  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English

Patent (No,Kind,Date): EP 1154608 A2 20011114  
 MULTIREOLUTION RECEIVER (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2001118510 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/26  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English

Patent (No,Kind,Date): EP 506400 A3 19930526  
 SIGNAL TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI - KATSURA (JP)  
 Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
 9260739 A 19920317  
 Applic (No,Kind,Date): EP 92302627 A 19920326  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/13; H04N-007/04  
 Derwent WPI Acc No: \* G 92-325674  
 Language of Document: English

Patent (No,Kind,Date): EP 555031 A3 19951115  
 RECORDING AND REPRODUCING APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A  
 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP  
 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A  
 19920925  
 Applic (No,Kind,Date): EP 93300695 A 19930129  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/00; G11B-011/10; G11B-013/04  
 Derwent WPI Acc No: \* G 93-251292; G 93-313529  
 JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
 180522P000136; 180618P000070  
 Language of Document: English

Patent (No,Kind,Date): EP 564187 A3 19951206  
 RECORDING AND REPRODUCING APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); TANAKA MICHIO (JP);  
 SHIMIZU RYOSUKE (JP); KODO TOSHIKAZU (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9268031 A  
 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP  
 92280874 A 19920925; JP 92282666 A 19921021; JP 92331300 A  
 19921211  
 Applic (No,Kind,Date): EP 93302365 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/00; G11B-011/10; G11B-023/03; G11B-013/04  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 95-341616; G 96-062972; G 98-181451  
 JAPIO Reference No: \* 180121P000165; 180264P000063; 180522P000136;  
 180618P000070  
 Language of Document: English

Patent (No,Kind,Date): EP 589709 A3 19940928  
 MULTIREOLUTION TRANSMISSION SYSTEM (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (DE); MATSUSHITA  
 ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A 19930510; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 93307575 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/34; H04N-007/13; H04L-005/06; H04L-027/18  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 608126 A3 19951129  
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING SAME. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); KOMODA HIDEAKI (JP); USHIGOME HISASHI (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94300403 A 19940119  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/04; G11B-023/44  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 609013 A3 19951129  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP); TANAKA MITIRO (JP); TAN SATOSHI (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94300402 A 19940119  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE  
 IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02; G11B-023/00; G11B-023/36  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 609617 A3 19961211  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); TAN SATOSHI (JP); KUWAMOTO MAKOTO (JP)  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 93205682 A 19930727; JP 92321063 A 19921201  
 Applic (No,Kind,Date): EP 93309619 A 19931201  
 Designated States: (National) BE; DE; FR; GB; NL  
 IPC: \* G06F-001/18  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): EP 637016 A3 19950830  
 RECORDING AND REPRODUCING APPARATUS. (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): EP 94305557 A 19940727  
 Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL

IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 766478 A3 20000119  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 833319 A3 20020403  
DISC-SHAPED RECORDING MEDIUM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
TANAKA MITIRO (JP); TAN SATOSHI (JP)  
Priority (No,Kind,Date): EP 94300402 A3 19940119; JP 938596 A  
19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
19931119  
Applic (No,Kind,Date): EP 97118775 A 19940119  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* G11B-013/04; G11B-020/12  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 1035693 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114572 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035694 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114573 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24



Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035695 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035696 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114577 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035697 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114578 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1035698 A3 20001206  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A

19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): EP 2000114579 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039672 A3 20001206  
 MULTIREOLUTION TRANSMISSION, PARTICULARLY FOR MULTICARRIER SYSTEMS  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): EP 2000114576 A 19930924  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039673 A3 20001206  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114689 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039674 A3 20001206  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER SIGNALS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114690 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 ; H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039675 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039676 A3 20001206  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039677 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114696 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039678 A3 20001206  
MULTIRESOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114697 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;

IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039679 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114698 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039680 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER MODULATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114699 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039681 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114701 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039682 A3 20001206

MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114702 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1045541 A3 20001206  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114700 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1049282 A3 20001206  
MULTIRESOLUTION MODULATION WITH MULTICARRIER SIGNALS (English; French;  
German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93307575 A3 19930924; JP 92256070 A  
19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): EP 2000114574 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04L-027/38  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1049283 A3 20001206  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114693 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049284 A3 20001206

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114695 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1120777 A3 20011010

OPTICAL DISK (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): EP 95938017 A3 19951116; JP 94283415 A 19941117; JP 9516153 A 19950202; JP 95261247 A 19951009

Applic (No,Kind,Date): EP 2001108949 A 19951116

Designated States: (National) DE; FR; GB

IPC: \* G11B-020/00; G06F-001/00; G11B-007/00; G11B-027/30; G11B-023/28; G11B-013/04; G11B-011/105; G11B-019/02; G11B-019/12; G11B-007/007; G11B-007/26; G11B-020/12; G11B-027/10

Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): EP 689200 A4 19960529

OPTICAL RECORDING MEDIUM, REPRODUCTION APPARATUS OF OPTICAL DISK, REPRODUCTION METHOD OF OPTICAL DISK, PRODUCTION METHOD OF ORIGINAL DISK OF OPTICAL DISK, AND ILLEGAL PROGRAM OPERATION STOP METHOD (English; French; German)

Patent Assignee: MATSUSHITA ELECTRONICS CORP (JP)

Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): WO 94JP2304 W 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202

Applic (No,Kind,Date): EP 95904033 A 19941228

Designated States: (National) DE; FR; GB; IT

IPC: \* G11B-007/007; G11B-020/12; G11B-013/04; G11B-007/00; G11B-007/26; G11B-019/06; G11B-020/14; G11B-020/10

Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026

Language of Document: English

Patent (No,Kind,Date): EP 706174 A4 19970702

METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPYING AND ILLEGAL INSTALLATION OF INFORMATION ON OPTICAL RECORDING MEDIUM (English; French; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)

Priority (No,Kind,Date): WO 95JP760 W 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516865 A 19950203

Applic (No,Kind,Date): EP 95915345 A 19950418

Designated States: (National) DE; FR; GB; NL

IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
96-268785; G 01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 741382 A4 19970702  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK  
PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A  
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-007/26; G11B-020/12  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 802527 A4 19971210  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED  
COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 96932845 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 A4 19971210  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English; French; German  
Patent (No,Kind,Date): EP 506400 B1 19971217  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP  
9260739 A 19920317  
Applic (No,Kind,Date): EP 92302627 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/12; H04N-007/08; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 589709 B1 20010829  
MULTIRESOLUTION TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
19930510; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 93307575 A 19930924  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/18  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G

94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 637016 B1 20010307  
RECORDING AND REPRODUCING APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 94104879 A  
19940418; JP 94156089 A 19940707; JP 93297504 A 19931102; JP  
93314114 A 19931119  
Applic (No,Kind,Date): EP 94305557 A 19940727  
Designated States: (National) BE; CH; DE; FR; GB; IT; LI; NL  
IPC: \* G11B-007/00; G11B-013/04; G11B-011/10; G11B-019/02; G11B-020/00  
; G11B-023/28  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G  
01-018026  
Language of Document: English  
Patent (No,Kind,Date): EP 741382 B1 20011010  
MARKING GENERATING APPARATUS, METHOD OF FORMING LASER MARKING ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND OPTICAL DISK  
PRODUCING METHOD (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): WO 95JP2339 W 19951116; JP 94283415 A  
19941117; JP 9516153 A 19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): EP 95938017 A 19951116  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G11B-023/30; G11B-013/04; G11B-019/06  
; G11B-007/09; G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 766478 B1 20020327  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 92302627 A3 19920326; JP 9162798 A  
19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 96119060 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 802527 B1 20010829  
RECORDER FOR OPTICAL DISKS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): WO 96JP2924 W 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 96932845 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 807929 B1 20010228  
OPTICAL DISK PROVIDED WITH BAR CODE (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)



Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): WO 96JP1303 W 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 96915172 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/007; G11B-007/24; G06K-019/00; G11B-020/10; G11B-020/00; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 975168 B1 20020327  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 99119266 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975171 B1 20020327  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 99121008 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975172 B1 20020327  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 99121024 A 19920326  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 975173 B1 20020327  
SIGNAL TRANSMISSION SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 96119060 A3 19920326; EP 92302627 A3 19920326; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
Applic (No,Kind,Date): EP 99121025 A 19920326  
Designated States: (National) DE; FR; GB; NL

IPC: \* H04N-007/24; H04N-007/04; H04N-007/08; H04N-007/12; H04L-027/34  
Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
00-184730; G 00-184731  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): EP 1003162 B1 20001102  
AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English;  
French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A  
19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000103257 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38  
; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005023 B1 20020522  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED  
INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102965 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005024 B1 20010530  
OPTICAL REPRODUCING DEVICE FOR THE REPRODUCTION OF ENCRYPTED  
INFORMATION (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102966 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005025 B1 20020102  
OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102967 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00  
; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1005026 B1 20010523  
OPTICAL RECORDER (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102968 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005027 B1 20010523  
 OPTICAL RECORDER (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102969 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005028 B1 20020424  
 OPTICAL RECORDER AND OPTICAL RECORDING METHOD USING ENCRYPTION (English ; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
 Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): EP 2000102971 A 19961008  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005033 B1 20010919  
 AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000101774 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005034 B1 20001102  
 AN OPTICAL DISK CARRYING BARCODED INFORMATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): EP 2000101775 A 19960515  
 Designated States: (National) DE; FR; GB  
 IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1005035 B1 20001102

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000104818 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006516 B1 20011121

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000105014 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1006517 B1 20011128

AN OPTICAL DISK AND AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000106447 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1024478 B1 20020502

OPTICAL DISK FOR USE WITH AN ENCRYPTION OR PROGRAM LICENSE SYSTEM (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): EP 96932845 A3 19961008; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
Applic (No,Kind,Date): EP 2000102970 A 19961008  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/00; G11B-020/10; G06F-012/14; G06F-009/06; G11B-020/00 ; G06F-001/00; G11B-019/12  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): EP 1031974 B1 20010816

AN OPTICAL DISK REPRODUCTION APPARATUS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): EP 96915172 A3 19960515; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): EP 2000112310 A 19960515  
Designated States: (National) DE; FR; GB  
IPC: \* G11B-007/24; G11B-007/00; G06K-019/00; G11B-020/10; G11B-023/38 ; G11B-020/00; G11B-007/26; G11B-019/12; G06F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English  
Patent (No,Kind,Date): EP 1039673 B1 20020424  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114689 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039674 B1 20020424  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114690 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039675 B1 20020306  
MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114692 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039676 B1 20020424  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114694 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G

00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039677 B1 20020424  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
 MULTICARRIER MODULATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114696 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039678 B1 20020424  
 MULTIREOLUTION TRANSMISSION, PARTICULARLY WITH MULTICARRIER SIGNALS  
 (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114697 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039679 B1 20020424  
 MULTIREOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
 ; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114698 A 19930326  
 Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
 IT; LI; LU; MC; NL; PT; SE  
 IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1039680 B1 20020306  
 MULTIREOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
 MULTICARRIER MODULATION (English; French; German)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): EP 2000114699 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039681 B1 20020424  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114701 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1039682 B1 20020306  
MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS  
(English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114702 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
Patent (No,Kind,Date): EP 1045541 B1 20020306  
MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH  
MULTICARRIER SIGNALS (English; French; German)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): EP 2000114700 A 19930326  
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE  
IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: English  
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MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114693 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): EP 1049284 B1 20020306

MULTIRESOLUTION TRANSMISSION WITH MULTICARRIER SIGNALS (English; French  
; German)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): EP 93302369 A3 19930326; JP 9267934 A  
19920326; JP 92256070 A 19920925

Applic (No,Kind,Date): EP 2000114695 A 19930326

Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;  
IT; LI; LU; MC; NL; PT; SE

IPC: \* H04L-001/00; H04L-027/02; H04L-027/18; H04L-027/26; H04L-027/34  
; H04N-007/24

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: English

#### EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 506400 P 19910327 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910425 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910529 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19910723 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19920317 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 506400 P 19920326 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)

EP 506400 P 19920930 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITHOUT SEARCH  
REPORT (IN EINER ANMELDUNG OHNE  
RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL



EP 506400	P	19920930	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 506400	P	19930526	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			DE FR GB NL	
EP 506400	P	19930526	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 506400	P	19940112	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931117
EP 506400	P	19960110	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 951127
EP 506400	P	19970402	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 766478 P
EP 506400	P	19971217	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHEFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 506400	P	19971217	EP B1	PATENT SPECIFICATION (PATENTSCHEFT)
EP 506400	P	19971217	EP DX	MISCELLANEOUS: (DELETED) (DIVERSES: (GELOESCHT))
EP 506400	P	19980129	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69223541 P 19980129
EP 506400	P	19980320	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 506400	P	19981209	EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 506400	P	20000119	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 973335 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975169 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975170 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P
EP 506400	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975174 P
EP 506400	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049334 P
EP 506400	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 506400	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

			EP 766478 P	
EP 506400	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975168 P	
EP 506400	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975171 P	
EP 506400	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975172 P	
EP 506400	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975173 P	
EP 555031	P	19920129	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9213809 A	19920129
EP 555031	P	19920228	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9242558 A	19920228
EP 555031	P	19920309	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9250328 A	19920309
EP 555031	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9268031 A	19920326
EP 555031	P	19920430	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92111176 A	19920430
EP 555031	P	19920722	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92194450 A	19920722
EP 555031	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92280874 A	19920925
EP 555031	P	19930129	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 93300695 A	19930129
EP 555031	P	19930811	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 555031	P	19930811	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 555031	P	19930811	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			930206	
EP 555031	P	19951115	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 555031	P	19951115	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 555031	P	19970402	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)

		970214	
EP 555031	P	19981223 EP 18D	DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN)
		980626	
EP 562875	P	19920326 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9267934 A	19920326
EP 562875	P	19920925 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92256070 A	19920925
EP 562875	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 93302369 A	19930326
EP 562875	P	19930929 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 562875	P	19930929 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 562875	P	19930929 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		930403	
EP 562875	P	19960417 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
		960306	
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114689 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114690 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114692 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114693 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114694 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114695 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114696 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114697 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 2000114698 A	20000708
EP 562875	P	20000830 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

			EP 2000114699	A	20000708
EP 562875	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			EP 2000114700	A	20000708
EP 562875	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			EP 2000114701	A	20000708
EP 562875	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			EP 2000114702	A	20000708
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039673	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039674	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039675	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039676	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039677	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039678	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039679	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039680	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039681	P	
EP 562875	P	20000927	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1039682	P	
EP 562875	P	20001018	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1045541	P	
EP 562875	P	20001102	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1049283	P	
EP 562875	P	20001102	EP AH	DIVISIONAL APPLICATION (ART.	
			76) IN: (TEILANMELDUNG (ART. 76) IN:)		
			EP 1049284	P	
EP 562875	P	20010926	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			1039673		
			EP 2000114689	A	20000708
EP 562875	P	20010926	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			1039674		
			EP 2000114690	A	20000708
EP 562875	P	20010926	EP RAHF	DIVISIONAL APPLICATION (ART.	
			76) IN: (CORRECTION)	(TEILANMELDUNG (ART.	
			76) IN: (KORR.))		
			1039675		
			EP 2000114692	A	20000708
EP 562875	P	20010926	EP RAHF	DIVISIONAL APPLICATION (ART.	

			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1049283
			EP 2000114693 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039676
			EP 2000114694 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1049284
			EP 2000114695 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039677
			EP 2000114696 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039678
			EP 2000114697 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039679
			EP 2000114698 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039680
			EP 2000114699 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1045541
			EP 2000114700 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039681
			EP 2000114701 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			1039682
			EP 2000114702 A 20000708
EP 562875	P	20010926	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
			EP 2001118510 A 20010801
EP 562875	P	20011114	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1154608 P
EP 562875	P	20020306	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1039675 P
EP 562875	P	20020306	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1039680 P
EP 562875	P	20020306	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1039682 P
EP 562875	P	20020306	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 1045541 P

EP 562875	P	20020306 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1049284 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039673 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039674 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039676 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039677 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039678 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039679 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1039681 P	
EP 562875	P	20020424 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1049283 P	
EP 564187	P	19920326 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9268031 A	19920326
EP 564187	P	19920430 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92111176 A	19920430
EP 564187	P	19920722 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92194450 A	19920722
EP 564187	P	19920925 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92280874 A	19920925
EP 564187	P	19921021 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92282666 A	19921021
EP 564187	P	19921211 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 92331300 A	19921211
EP 564187	P	19930121 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 938596 A	19930121
EP 564187	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 93302365 A	19930326
EP 564187	P	19931006 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 564187	P	19931006 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 564187	P	19931006	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930403
EP 564187	P	19951206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 564187	P	19951206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 564187	P	19970402	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 970214
EP 564187	P	19980225	EP 18D	DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970826
EP 589709	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 92256070 A 19920925
EP 589709	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 9366461 A 19930325
EP 589709	P	19930510	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 93132984 A 19930510
EP 589709	P	19930924	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
				EP 93307575 A 19930924
EP 589709	P	19940330	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 589709	P	19940330	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 589709	P	19940330	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931002
EP 589709	P	19940928	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 589709	P	19940928	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 589709	P	19970102	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 961115
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
				EP 2000114572 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
				EP 2000114573 A 20000707

EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114574 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114575 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114576 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114577 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114578 A 20000707
EP 589709	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000114579 A 20000707
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035693 P
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035694 P
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035695 P
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035696 P
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035697 P
EP 589709	P	20000913	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1035698 P
EP 589709	P	20000927	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1039672 P
EP 589709	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1049282 P
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035693 EP 2000114572 A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035694 EP 2000114573 A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1049282 EP 2000114574 A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1035695 EP 2000114575 A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1039672 EP 2000114576 A 20000707



EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			1035696	
			EP 2000114577	A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			1035697	
			EP 2000114578	A 20000707
EP 589709	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			1035698	
			EP 2000114579	A 20000707
EP 589709	P	20010829	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 589709	P	20010829	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 589709	P	20010829	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
			AT 205032	R 20010915
EP 589709	P	20010829	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 1/00 A, 7H 04L 27/18 B	
EP 589709	P	20010831	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 589709	P	20011003	IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 589709	P	20011004	EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69330665	P 20011004
EP 589709	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 589709	P	20020125	EP EN	FR: TRANSLATION NOT FILED (FR: TRADUCTION N'A PAS ETE REMISE)
EP 589709	P	20020201	EP NLV1	NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.))
EP 589709	P	20020228	CH PL/REG	PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
EP 589709	P	20020410	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020515	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020515	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020626	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020626	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020626	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020717	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT) AT 20010829
EP 589709	P	20020717	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)

			BE 20010829	
EP 589709	P	20020717	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
			PT 20011129	
EP 589709	P	20020717	EP 25	LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
			SE 20011129	
EP 608126	P	19930121	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 938596 A	19930121
EP 608126	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9392219 A	19930325
EP 608126	P	19930409	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93107423 A	19930409
EP 608126	P	19930727	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93205682 A	19930727
EP 608126	P	19931102	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93297504 A	19931102
EP 608126	P	19931119	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93314114 A	19931119
EP 608126	P	19940119	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 94300403 A	19940119
EP 608126	P	19940727	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 608126	P	19940727	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 608126	P	19940727	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			940127	
EP 608126	P	19951129	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 608126	P	19951129	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 608126	P	19970903	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
			970722	
EP 608126	P	19980527	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 844611 P	
EP 608126	P	19980527	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
			EP 844612 P	
EP 608126	P	19980729	EP 18D	DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN)
			980203	

EP 609013	P	19930121 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 938596 A	19930121
EP 609013	P	19930325 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 9392219 A	19930325
EP 609013	P	19930409 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 93107423 A	19930409
EP 609013	P	19930727 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 93205682 A	19930727
EP 609013	P	19931102 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 93297504 A	19931102
EP 609013	P	19931119 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 93314114 A	19931119
EP 609013	P	19940119 EP AE (EUROPAEISCHE ANMELDUNG)	EP-APPLICATION
		EP 94300402 A	19940119
EP 609013	P	19940803 EP AK STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	DESIGNATED CONTRACTING
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 609013	P	19940803 EP A2 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)	PUBLICATION OF APPLICATION
EP 609013	P	19940803 EP 17P FILED (PRUEFUNGSANTRAG GESTELLT) 940127	REQUEST FOR EXAMINATION
EP 609013	P	19951129 EP AK STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	DESIGNATED CONTRACTING
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 609013	P	19951129 EP A3 SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))	SEPARATE PUBLICATION OF THE
EP 609013	P	19970903 EP 17Q (ERSTER PRUEFUNGSBESCHEID) 970722	FIRST EXAMINATION REPORT
EP 609013	P	19980401 EP AH 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 833319 P	DIVISIONAL APPLICATION (ART.
EP 609013	P	19981223 EP 18D 980626	DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN)
EP 609617	P	19921201 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 92321063 A	19921201
EP 609617	P	19930121 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
		JP 938596 A	19930121
EP 609617	P	19930727 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))

EP 609617	P	JP 93205682 A 19930727 19931201 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 93309619 A 19931201
EP 609617	P	19940810 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 609617	P	BE DE FR GB NL 19940810 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 609617	P	19940810 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931214
EP 609617	P	19961211 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 609617	P	BE DE FR GB NL 19961211 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 609617	P	19971203 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970612
EP 617531	P	19930325 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 617531	P	JP 9366461 A 19930325 19930510 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 617531	P	JP 93132984 A 19930510 19930924 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 617531	P	JP 93261612 A 19930924 19940324 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 94302149 A 19940324
EP 617531	P	19940928 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 617531	P	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 19940928 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 617531	P	19940928 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940402
EP 617531	P	19970102 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 961115
EP 617531	P	19971217 EP 18D DEEMED TO BE WITHDRAWN (ALS ZURUECKGENOMMEN GELTEN) 970527
EP 637016	P	19930727 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 637016	P	JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 637016	P	JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 637016	P	JP 93314114 A 19931119 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 637016	P	JP 94104879 A 19940418 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 637016	P	JP 94156089 A 19940707 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 637016	P	EP 94305557 A 19940727 19950201 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 637016	P	BE CH DE FR GB IT LI NL 19950201 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 637016	P	19950201 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940805
EP 637016	P	19950830 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 637016	P	BE CH DE FR GB IT LI NL 19950830 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 637016	P	19980408 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 980220
EP 637016	P	20000913 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 637016	P	EP 2000115017 A 20000724 20001108 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 637016	P	EP 1050879 P 20010307 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1050879
EP 637016	P	EP 2000115017 A 20000724 20010307 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
EP 637016	P	BE CH DE FR GB IT LI NL 20010307 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 637016	P	20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 637016	P	20010315 CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 637016	P	20010412 EP REF CORRESPONDS TO: (ENTSPRICHT)
EP 637016	P	DE 69426795 P 20010412 20010525 EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI

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SOCIETA' ITALIANA BREVETTI S.P.A.

EP 637016	P	20010615	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 637016	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 637016	P	20020227	EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 689200	P	19931228	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 689200	P	19940120	EP AA	JP 93335165 A 19931228 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 689200	P	19940418	EP AA	JP 9422191 A 19940120 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 689200	P	19940707	EP AA	JP 94104879 A 19940418 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 689200	P	19941202	EP AA	JP 94156089 A 19940707 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 689200	P	19941228	EP AA	JP 94299508 A 19941202 PCT-APPLICATION (PCT-ANMELDUNG)
EP 689200	P	19941228	EP AE	WO 94JP2304 W 19941228 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 689200	P	19951227	EP AK	EP 95904033 A 19941228 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 689200	P	19951227	EP A1	DE FR GB IT PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 689200	P	19960207	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 951213
EP 689200	P	19960529	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 689200	P	19960529	EP A4	DE FR GB IT SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)
EP 689200	P	19960605	EP K1C1	CORRECTION OF PATENT APPLICATION (TITLE PAGE) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (TITELSEITE) ERSCHIENEN) 951227
EP 689200	P	19960605	EP RAP1	APPLICANT (CORRECTION) (ANMELDER (KORR.))
EP 689200	P	19990120	EP 17Q	MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 981204
EP 689200	P	20020703	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
				EP 2002010875 A 20020515

EP 706174	P	19940418 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 706174	P	JP 94104879 A 19940418 19941117 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 706174	P	JP 94283415 A 19941117 19941228 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 706174	P	JP 94327963 A 19941228 19950201 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 706174	P	JP 9515318 A 19950201 19950203 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 706174	P	JP 9516865 A 19950203 19950418 EP AA (PCT-ANMELDUNG)	PCT-APPLICATION
EP 706174	P	WO 95JP760 W 19950418 19950418 EP AE (EUROPAEISCHE ANMELDUNG)	EP-APPLICATION
EP 706174	P	EP 95915345 A 19950418 19960410 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 706174	P	DE FR GB NL 19960410 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 706174	P	19960410 EP 17P 951114	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 706174	P	19970702 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 706174	P	DE FR GB NL 19970702 EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)
EP 706174	P	19991215 EP 17Q 19991027	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
EP 741382	P	19941117 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 741382	P	JP 94283415 A 19941117 19950202 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 741382	P	JP 9516153 A 19950202 19951009 EP AA APPLICATION)	PRIORITY (PATENT (PRIORITAET (PATENTANMELDUNG))
EP 741382	P	JP 95261247 A 19951009 19951116 EP AA (PCT-ANMELDUNG)	PCT-APPLICATION
EP 741382	P	WO 95JP2339 W 19951116 19951116 EP AE (EUROPAEISCHE ANMELDUNG)	EP-APPLICATION
EP 741382	P	EP 95938017 A 19951116 19961106 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:

(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

EP 741382	P	19961106	DE FR GB EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 741382	P	19970108	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 741382	P	19970702	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 741382	P	19970702	DE FR GB EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)
EP 741382	P	19990922	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
EP 741382	P	20010606	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 741382	P	20010801	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 741382	P	20011010	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 741382	P	20011010	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
EP 741382	P	20011010	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 741382	P	20011115	EP REF	CORRESPONDS TO: (ENTSPRICHT)
EP 741382	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 741382	P	20020308	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 766478	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 766478	P	19910425	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 766478	P	19910529	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 766478	P	19910723	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 766478	P	19920317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 766478	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 766478	P	19920326	EP AE	EP-APPLICATION



			(EUROPAEISCHE ANMELDUNG)
		EP 96119060 A	19920326
EP 766478	P	19970402 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 506400 P	
EP 766478	P	19970402 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 766478	P	19970402 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 766478	P	19991124 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99119266 A	19990928
EP 766478	P	19991124 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99119278 A	19990928
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99119266 A	19990928
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99119278 A	19990928
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121006 A	19991021
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121007 A	19991021
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121008 A	19991021
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121024 A	19991021
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121025 A	19991021
EP 766478	P	19991215 EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
		EP 99121026 A	19991021
EP 766478	P	20000119 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 973335 P	
EP 766478	P	20000119 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 766478	P	20000119 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 766478	P	20000126 EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

			EP 975168 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975169 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975170 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975171 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975172 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975173 P	
EP 766478	P	20000126	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))
			EP 975174 P	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975168	
			EP 99119266 A 19990928	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			973335	
			EP 99119278 A 19990928	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975169	
			EP 99121006 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975170	
			EP 99121007 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975171	
			EP 99121008 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975172	
			EP 99121024 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975173	
			EP 99121025 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			975174	
			EP 99121026 A 19991021	
EP 766478	P	20000830	EP RAHF	DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
			EP 2000114691 A 20000708	
EP 766478	P	20000913	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000719	
EP 766478	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:))

		EP 1049334	P	
EP 766478	P	20010321	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010206
EP 766478	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 766478	P	20020327	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P
EP 766478	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975168 P
EP 766478	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975171 P
EP 766478	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975172 P
EP 766478	P	20020327	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 975173 P
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975168 EP 99119266 A 19990928
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 973335 EP 99119278 A 19990928
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975169 EP 99121006 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975170 EP 99121007 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975171 EP 99121008 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975172 EP 99121024 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975173 EP 99121025 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 975174 EP 99121026 A 19991021
EP 766478	P	20020327	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1049334 EP 2000114691 A 20000708
EP 766478	P	20020327	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 766478	P	20020327	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 766478	P	20020502	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69232523 P 20020502
EP 802527	P	19951009	EP AA	PRIORITY (PATENT

		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
EP 802527	P	JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
EP 802527	P	JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
EP 802527	P	JP 96211304 A 19960809 19961008 EP AA PCT-APPLICATION (PCT-ANMELDUNG)	
EP 802527	P	WO 96JP2924 W 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
EP 802527	P	EP 96932845 A 19961008 19971022 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)	
EP 802527	P	DE FR GB 19971022 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)	
EP 802527	P	19971022 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 970707	
EP 802527	P	19971210 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	
EP 802527	P	DE FR GB 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 971022	
EP 802527	P	20000405 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))	
EP 802527	P	EP 2000102965 A 20000211 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005023 P 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005024 P 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005025 P 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005026 P 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005027 P 20000531 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1005028 P 20000614 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20000427	
EP 802527	P	20000802 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
EP 802527	P	EP 1024478 P 20010321 EP RTI1 TITEL (CORRECTION) (TITEL (KORR.)) RECORDER FOR OPTICAL DISKS	

EP 802527	P	20010328	EP RTI1	TITEL (CORRECTION) (TITEL (KORR.)) RECORDER FOR OPTICAL DISKS
EP 802527	P	20010523	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005026 P
EP 802527	P	20010523	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005027 P
EP 802527	P	20010530	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005024 P
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005023 EP 2000102965 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005024 EP 2000102966 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005025 EP 2000102967 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005026 EP 2000102968 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005027 EP 2000102969 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1024478 EP 2000102970 A 20000211
EP 802527	P	20010829	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1005028 EP 2000102971 A 20000211
EP 802527	P	20010829	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB
EP 802527	P	20010829	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 802527	P	20011004	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69614823 P 20011004
EP 802527	P	20011207	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 802527	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 802527	P	20020102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005025 P
EP 802527	P	20020102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1168328 P
EP 802527	P	20020424	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1005028 P
EP 802527	P	20020502	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1024478 P
EP 802527	P	20020522	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)

EP 807929	P	EP 1005023 P 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 807929	P	JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 807929	P	JP 968910 A 19960123 19960515 EP AA PCT-APPLICATION (PCT-ANMELDUNG)
EP 807929	P	WO 96JP1303 W 19960515 19960515 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 807929	P	EP 96915172 A 19960515 19971119 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 807929	P	DE FR GB 19971119 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 807929	P	19971119 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 970918
EP 807929	P	19971210 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 807929	P	DE FR GB 19971210 EP A4 SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 971022
EP 807929	P	19990922 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 19990804
EP 807929	P	20000322 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000101774 A 20000128 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000101774 A 20000128 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000101775 A 20000128 20000412 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000103257 A 20000217 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000101774 A 20000128 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000101775 A 20000128 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 807929	P	EP 2000103257 A 20000217 20000503 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))

			76) IN: (KORR.))
		EP 2000104818	A 20000306
EP 807929	P	20000503	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000105014	A 20000309
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000101774	A 20000128
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000101775	A 20000128
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000103257	A 20000217
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000104818	A 20000306
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000105014	A 20000309
EP 807929	P	20000517	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		EP 2000106447	A 20000324
EP 807929	P	20000524	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1003162	P
EP 807929	P	20000531	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1005033	P
EP 807929	P	20000531	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1005034	P
EP 807929	P	20000531	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1005035	P
EP 807929	P	20000607	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1006516	P
EP 807929	P	20000607	EP AH DIVISIONAL APPLICATION (ART.
			76) IN: (TEILANMELDUNG (ART. 76) IN:))
		EP 1006517	P
EP 807929	P	20000705	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		1005033	
		EP 2000101774	A 20000128
EP 807929	P	20000705	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		1005034	
		EP 2000101775	A 20000128
EP 807929	P	20000705	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		1003162	
		EP 2000103257	A 20000217
EP 807929	P	20000705	EP RAHF DIVISIONAL APPLICATION (ART
			76) IN: (CORRECTION) (TEILANMELDUNG (ART.
			76) IN: (KORR.))
		1005035	
		EP 2000104818	A 20000306

EP 807929	P	20000705	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1006516 EP 2000105014 A 20000309
EP 807929	P	20000705	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1006517 EP 2000106447 A 20000324
EP 807929	P	20000705	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000109898 A 20000510
EP 807929	P	20000705	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000109899 A 20000510
EP 807929	P	20000705	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000110461 A 20000516
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1005033 EP 2000101774 A 20000128
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1005034 EP 2000101775 A 20000128
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1003162 EP 2000103257 A 20000217
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1005035 EP 2000104818 A 20000306
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1006516 EP 2000105014 A 20000309
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) 1006517 EP 2000106447 A 20000324
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000109898 A 20000510
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000109899 A 20000510
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000110461 A 20000516
EP 807929	P	20000802	EP RAHF	DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2000112310 A 20000608



EP 807929	P	20000816	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1028422	P	
EP 807929	P	20000816	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1028423	P	
EP 807929	P	20000823	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1030297	P	
EP 807929	P	20000830	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1031974	P	
EP 807929	P	20000906	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
				7G 11B 7/007 A, 7G 11B 7/24 B, 7G 06K 19/00 B, 7G 11B 20/10 B, 7G 11B 20/00 B, 7G 06F 1/00 B
EP 807929	P	20000906	EP RTI1	TITEL (CORRECTION) (TITEL (KORR.))
				OPTICAL DISK PROVIDED WITH BAR CODE
EP 807929	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1003162	P	
EP 807929	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1005034	P	
EP 807929	P	20001102	EP AH	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		EP 1005035	P	
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1005033		
		EP 2000101774	A	20000128
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1005034		
		EP 2000101775	A	20000128
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1003162		
		EP 2000103257	A	20000217
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1005035		
		EP 2000104818	A	20000306
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1006516		
		EP 2000105014	A	20000309
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1006517		
		EP 2000106447	A	20000324
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1028422		
		EP 2000109898	A	20000510
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1028423		
		EP 2000109899	A	20000510
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1030297		
		EP 2000110461	A	20000516
EP 807929	P	20010228	EP AHF	DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
		1031974		

			EP 2000112310	A	20000608	
EP 807929	P	20010228	EP AK		DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)	
			DE FR GB			
EP 807929	P	20010228	EP B1		PATENT SPECIFICATION (PATENTSCHRIFT)	
EP 807929	P	20010405	EP REF		CORRESPONDS TO: (ENTSPRICHT)	
			DE 69611906	P	20010405	
EP 807929	P	20010615	EP ET		FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)	
EP 807929	P	20010816	EP AH		DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
			EP 1031974	P		
EP 807929	P	20010919	EP AH		DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
			EP 1005033	P		
EP 807929	P	20011121	EP AH		DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
			EP 1006516	P		
EP 807929	P	20011128	EP AH		DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)	
			EP 1006517	P		
EP 807929	P	20020101	GB IF02/REG		EUROPEAN PATENT IN FORCE AS OF 2002-01-01	
EP 807929	P	20020220	EP 26N		NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)	
EP 833319	P	19930121	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 938596	A	19930121	
EP 833319	P	19930325	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 9392219	A	19930325	
EP 833319	P	19930409	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 93107423	A	19930409	
EP 833319	P	19930727	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 93205682	A	19930727	
EP 833319	P	19931102	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 93297504	A	19931102	
EP 833319	P	19931119	EP AA		PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
			JP 93314114	A	19931119	
EP 833319	P	19940119	EP AA		DIVIDED OUT OF (AUSSCHIEDUNG AUS)	
			EP 94300402	A3	19940119	
EP 833319	P	19940119	EP AE		EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
			EP 97118775	A	19940119	
EP 833319	P	19980401	EP AC		DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
			EP 609013	P		
EP 833319	P	19980401	EP AK		DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

			PT SE	
EP 833319	P	19980401	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 833319	P	19980401	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 971029
EP 833319	P	19980429	EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; SHIMIZU, RYOSUKE ; KOUDO, TOSHIKAZU ; YOSHIURA, TSUKASA ; MATSUURA, TAKUMI ; TANAKA, MITIRO ; TAN, SATOSHI
EP 833319	P	20020327	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 11B 13/04 A, 7G 11B 20/12 B
EP 833319	P	20020403	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 833319	P	20020403	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 844611	P	19930121	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 938596 A	19930121
EP 844611	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9392219 A	19930325
EP 844611	P	19930409	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93107423 A	19930409
EP 844611	P	19930727	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93205682 A	19930727
EP 844611	P	19931102	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93297504 A	19931102
EP 844611	P	19931119	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93314114 A	19931119
EP 844611	P	19940119	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 94300403 A3	19940119
EP 844611	P	19940119	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 98100524 A	19940119
EP 844611	P	19980527	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 608126 P	
EP 844611	P	19980527	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 844611	P	19980527	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)

EP 844611	P	19980527	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114
EP 844612	P	19930121	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930409	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19930727	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19931102	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19931119	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 844612	P	19940119	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 844612	P	19940119	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 844612	P	19980527	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 608126 P
EP 844612	P	19980527	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 844612	P	19980527	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 844612	P	19980527	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 980114
EP 971345	P	19961219	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 971345	P	19970122	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 971345	P	19970924	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 971345	P	19971217	EP AA	PCT-APPLICATION (PCT-ANMELDUNG)
EP 971345	P	19971217	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 971345	P	20000112	EP AK	DESIGNATED CONTRACTING

STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

		DE FR GB IT NL	
EP 971345	P	20000112 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 971345	P	20000112 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		19990719	
EP 973335	P	19910327 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9162798 A	19910327
EP 973335	P	19910425 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9195813 A	19910425
EP 973335	P	19910529 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 91155650 A	19910529
EP 973335	P	19910723 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 91182236 A	19910723
EP 973335	P	19920317 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9260739 A	19920317
EP 973335	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 92302627 A3	19920326
EP 973335	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 96119060 A3	19920326
EP 973335	P	19920326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 99119278 A	19920326
EP 973335	P	20000119 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 506400 P	
EP 973335	P	20000119 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 766478 P	
EP 973335	P	20000119 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 973335	P	20000119 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 973335	P	20000119 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		19991015	
EP 973335	P	20001004 EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
		DE FR GB NL	
EP 973335	P	20001115 EP K1C3	CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN)
		20000119	
EP 973335	P	20001206 EP RPR1	PRIORITY (CORRECTION) (PRIORITAET (KORR.))
		JP 19910327 6279891 ;	JP 19910425 9581391 ;
		JP 19910529 15565091 ;	JP 19910723 18223691 ;
		JP 19920317 6073992	

EP 973335	P	20011205	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20011018
EP 975168	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975168	P	19910425	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975168	P	19910529	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975168	P	19910723	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975168	P	19920317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975168	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 975168	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 975168	P	19920326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 975168	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975168	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975168	P	20000126	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 975168	P	20000126	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975168	P	20000126	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991022
EP 975168	P	20001011	EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL
EP 975168	P	20001115	EP K1C3	CORRECTION OF PATENT APPLICATION (COMPLETE REPRINT) PUBLISHED (BERICHTIGUNG DER PATENTANMELDUNG (KOMPLETTNEUDRUCK) ERSCHIENEN) 20000126
EP 975168	P	20010418	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010227
EP 975168	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 975168	P	20020327	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975168	P	20020327	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975168	P	20020327	EP AK	DESIGNATED CONTRACTING

STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT  
VERTRAGSSTAATEN)

EP 975168	P	20020327	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 975168	P	20020502	EP REF	CORRESPONDS TO: (ENTSPRICHT)
EP 975169	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975169	P	19910425	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975169	P	19910529	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975169	P	19910723	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975169	P	19920317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975169	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 975169	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 975169	P	19920326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 975169	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975169	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975169	P	20000126	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 975169	P	20000126	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975169	P	20000126	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 975169	P	20001011	EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
EP 975170	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19910425	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	19910529	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 975170	P	JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975170	P	JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975170	P	EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975170	P	EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 975170	P	EP 99121007 A 19920326 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975170	P	EP 506400 P 20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 975170	P	EP 766478 P 20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 975170	P	DE FR GB NL 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975170	P	20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021
EP 975170	P	20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL
EP 975171	P	19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975171	P	JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975171	P	JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975171	P	JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975171	P	JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975171	P	JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975171	P	EP 92302627 A3 19920326 19920326 EP AA DIVIDED OUT OF (AUSSCHEIDUNG AUS)
EP 975171	P	EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 975171	P	EP 99121008 A 19920326



EP 975171	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 506400	P
EP 975171	P	20000126	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 766478	P
EP 975171	P	20000126	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB NL	
EP 975171	P	20000126	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975171	P	20000126	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			19991021	
EP 975171	P	20001011	EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
			DE FR GB NL	
EP 975171	P	20010418	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010227	
EP 975171	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 975171	P	20020327	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 506400	P
EP 975171	P	20020327	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 766478	P
EP 975171	P	20020327	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			DE FR GB NL	
EP 975171	P	20020327	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 975171	P	20020502	EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69232527	P 20020502
EP 975172	P	19910327	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9162798	A 19910327
EP 975172	P	19910425	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9195813	A 19910425
EP 975172	P	19910529	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 91155650	A 19910529
EP 975172	P	19910723	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 91182236	A 19910723
EP 975172	P	19920317	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9260739	A 19920317
EP 975172	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 92302627	A3 19920326
EP 975172	P	19920326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96119060	A3 19920326
EP 975172	P	19920326	EP AE	EP-APPLICATION

			(EUROPAEISCHE ANMELDUNG)
		EP 99121024 A	19920326
EP 975172	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
		EP 506400 P	
EP 975172	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
		EP 766478 P	
EP 975172	P	20000126 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 975172	P	20000126 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975172	P	20000301 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		19991021	
EP 975172	P	20001011 EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
		DE FR GB NL	
EP 975172	P	20010404 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
		20010222	
EP 975172	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 975172	P	20020327 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
		EP 506400 P	
EP 975172	P	20020327 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
		EP 766478 P	
EP 975172	P	20020327 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 975172	P	20020327 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 975172	P	20020502 EP REF	CORRESPONDS TO: (ENTSPRICHT)
		DE 69232529 P	20020502
EP 975173	P	19910327 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9162798 A	19910327
EP 975173	P	19910425 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9195813 A	19910425
EP 975173	P	19910529 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 91155650 A	19910529
EP 975173	P	19910723 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 91182236 A	19910723
EP 975173	P	19920317 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 9260739 A	19920317
EP 975173	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 92302627 A3	19920326
EP 975173	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)

EP 975173	P	EP 96119060 A3 19920326 19920326 EP AE EP-APPLICATION ( EUROPAEISCHE ANMELDUNG) EP 99121025 A 19920326
EP 975173	P	20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P
EP 975173	P	20000126 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P
EP 975173	P	20000126 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 975173	P	DE FR GB NL 20000126 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975173	P	20000126 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19991021
EP 975173	P	20001011 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G)) DE FR GB NL
EP 975173	P	20010418 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010227
EP 975173	P	20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 975173	P	20020327 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 506400 P
EP 975173	P	20020327 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 766478 P
EP 975173	P	20020327 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 975173	P	20020327 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 975173	P	20020502 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69232530 P 20020502
EP 975174	P	19910327 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975174	P	JP 9162798 A 19910327 19910425 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975174	P	JP 9195813 A 19910425 19910529 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975174	P	JP 91155650 A 19910529 19910723 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975174	P	JP 91182236 A 19910723 19920317 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 975174	P	JP 9260739 A 19920317 19920326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 92302627 A3 19920326

EP 975174	P	19920326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 96119060 A3	19920326
EP 975174	P	19920326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 99121026 A	19920326
EP 975174	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 506400 P	
EP 975174	P	20000126 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 766478 P	
EP 975174	P	20000126 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB NL	
EP 975174	P	20000126 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 975174	P	20000126 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		19991021	
EP 975174	P	20001011 EP AKX	PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))
		DE FR GB NL	
EP 1003162	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009
EP 1003162	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123
EP 1003162	P	19960515 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 96915172 A3	19960515
EP 1003162	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 2000103257 A	19960515
EP 1003162	P	20000524 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1003162	P	20000524 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1003162	P	20000524 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1003162	P	20000524 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000217	
EP 1003162	P	20000913 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
		20000725	
EP 1003162	P	20001102 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1003162	P	20001102 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1003162	P	20001102 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1003162	P	20001207 EP REF	CORRESPONDS TO: (

			ENTSPRICHT)
		DE 69610859	P 20001207
EP 1003162	P	20010207 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
		DE FR GB	
EP 1003162	P	20010209 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1003162	P	20011024 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 1003162	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005023	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009
EP 1005023	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123
EP 1005023	P	19960809 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 96211304 A	19960809
EP 1005023	P	19961008 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 96932845 A3	19961008
EP 1005023	P	19961008 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 2000102965 A	19961008
EP 1005023	P	20000531 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 802527 P	
EP 1005023	P	20000531 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1005023	P	20000531 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005023	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000301	
EP 1005023	P	20001115 EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.))
		OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI	
EP 1005023	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
		20001130	
EP 1005023	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
		DE FR GB	
EP 1005023	P	20020522 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 802527 P	
EP 1005023	P	20020522 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1005023	P	20020522 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005023	P	20020522 GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1005023	P	20020627 EP REF	CORRESPONDS TO: (ENTSPRICHT)
		DE 69621357 P	20020627

EP 1005024	P	19951009 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009	
EP 1005024	P	19960123 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123	
EP 1005024	P	19960809 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 96211304 A	19960809	
EP 1005024	P	19961008 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)	
		EP 96932845 A3	19961008	
EP 1005024	P	19961008 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
		EP 2000102966 A	19961008	
EP 1005024	P	20000531 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 802527 P		
EP 1005024	P	20000531 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)	
		DE FR GB		
EP 1005024	P	20000531 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)	
EP 1005024	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)	
		20000301		
EP 1005024	P	20000927 EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.))	
			OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI	
EP 1005024	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)	
		20001130		
EP 1005024	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)	
		DE FR GB		
EP 1005024	P	20010530 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 802527 P		
EP 1005024	P	20010530 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)	
		DE FR GB		
EP 1005024	P	20010530 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)	
EP 1005024	P	20010705 EP REF	CORRESPONDS TO: (ENTSPRICHT)	
		DE 69613156 P	20010705	
EP 1005024	P	20010720 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)	
EP 1005024	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01	
EP 1005024	P	20020522 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)	
EP 1005025	P	19951009 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009	
EP 1005025	P	19960123 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))

EP 1005025	P	JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005025	P	JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 1005025	P	EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1005025	P	EP 2000102967 A 19961008 20000531 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1005025	P	20000531 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 1005025	P	DE FR GB 20000531 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005025	P	20000531 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301
EP 1005025	P	20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005025	P	20010207 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001227
EP 1005025	P	20010214 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN) DE FR GB
EP 1005025	P	20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005025	P	20020102 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1005025	P	20020102 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB
EP 1005025	P	20020102 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005025	P	20020228 EP REF CORRESPONDS TO: ( ENTSPRICHT) DE 69618672 P 20020228
EP 1005026	P	19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005026	P	JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005026	P	JP 968910 A 19960123 19960809 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1005026	P	JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 1005026	P	EP 96932845 A3 19961008 19961008 EP AE EP-APPLICATION

			(EUROPAEISCHE ANMELDUNG)
			EP 2000102968 A 19961008
EP 1005026	P	20000531 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527 P
EP 1005026	P	20000531 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1005026	P	20000531 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005026	P	20000531 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000301
EP 1005026	P	20001115 EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.))
			OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005026	P	20001129 EP RTI1	TITEL (CORRECTION) (TITEL (KORR.))
			OPTICAL RECORDER
EP 1005026	P	20010110 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20001130
EP 1005026	P	20010214 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			DE FR GB
EP 1005026	P	20010523 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527 P
EP 1005026	P	20010523 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1005026	P	20010523 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005026	P	20010628 EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69613010 P 20010628
EP 1005026	P	20010727 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005026	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005026	P	20020522 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 1005027	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A 19951009
EP 1005027	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A 19960123
EP 1005027	P	19960809 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 96211304 A 19960809
EP 1005027	P	19961008 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96932845 A3 19961008
EP 1005027	P	19961008 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000102969 A 19961008
EP 1005027	P	20000531 EP AC	DIVISIONAL APPLICATION (ART.



			76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1005027	P	20000531	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1005027	P	20000531	EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005027	P	20000531	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000301
EP 1005027	P	20001115	EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.))
			OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005027	P	20001129	EP RTI1 TITEL (CORRECTION) (TITEL (KORR.))
			OPTICAL RECORDER
EP 1005027	P	20010110	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
			20001130
EP 1005027	P	20010214	EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			DE FR GB
EP 1005027	P	20010523	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527 P
EP 1005027	P	20010523	EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1005027	P	20010523	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005027	P	20010628	EP REF CORRESPONDS TO: (ENTSPRICHT)
			DE 69613011 P 20010628
EP 1005027	P	20010727	EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005027	P	20020101	GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005027	P	20020522	EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 1005028	P	19951009	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A 19951009
EP 1005028	P	19960123	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A 19960123
EP 1005028	P	19960809	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 96211304 A 19960809
EP 1005028	P	19961008	EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96932845 A3 19961008
EP 1005028	P	19961008	EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000102971 A 19961008
EP 1005028	P	20000531	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527 P
EP 1005028	P	20000531	EP AK DESIGNATED CONTRACTING

STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

EP 1005028	P	20000531	DE FR GB EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005028	P	20000531	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 1005028	P	20001115	EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.))
				OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1005028	P	20001129	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
EP 1005028	P	20010214	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
EP 1005028	P	20011004	DE FR GB EP RTI1	TITLE (CORRECTION) (TITEL (KORR.))
				OPTICAL RECORDER AND OPTICAL RECORDING METHOD USING ENCRYPTION
EP 1005028	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005028	P	20020424	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527 P	
EP 1005028	P	20020424	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			DE FR GB	
EP 1005028	P	20020424	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005028	P	20020424	GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1005028	P	20020529	EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69620919 P	20020529
EP 1005033	P	19951009	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A	19951009
EP 1005033	P	19960123	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A	19960123
EP 1005033	P	19960515	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96915172 A3	19960515
EP 1005033	P	19960515	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000101774 A	19960515
EP 1005033	P	20000531	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 807929 P	
EP 1005033	P	20000531	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB	
EP 1005033	P	20000531	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005033	P	20000531	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)

			20000128	
EP 1005033	P	20010214	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN) DE FR GB
EP 1005033	P	20010502	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20010316
EP 1005033	P	20010919	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1005033	P	20010919	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB
EP 1005033	P	20010919	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1005033	P	20011025	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69615418 P 20011025
EP 1005033	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005033	P	20020125	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1005034	P	19951009	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A	19951009
EP 1005034	P	19960123	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A	19960123
EP 1005034	P	19960515	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 96915172 A3 19960515
EP 1005034	P	19960515	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000101775 A 19960515
EP 1005034	P	20000531	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1005034	P	20000531	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB	
EP 1005034	P	20000531	EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUHREN) AL;LT;LV;SI
EP 1005034	P	20000531	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1005034	P	20000531	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000128
EP 1005034	P	20000913	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 20000725
EP 1005034	P	20001102	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 807929 P
EP 1005034	P	20001102	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB
EP 1005034	P	20001102	EP B1	PATENT SPECIFICATION (

			PATENTSCHRIFT)	
EP 1005034	P	20001207	EP REF	CORRESPONDS TO:
			(ENTSPRICHT)	
		DE 69610860	P	20001207
EP 1005034	P	20010209	EP ET	FR: TRANSLATION FILED (FR:
			TRADUCTION A ETE REMISE)	
EP 1005034	P	20010214	EP AKX	PAYMENT OF DESIGNATION FEES
			(ZAHLUNG VON BENENNUNGSGEBUHREN)	
			DE FR GB	
EP 1005034	P	20011024	EP 26N	NO OPPOSITION FILED (KEIN
			EINSPRUCH EINGELEGT)	
EP 1005034	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS
			OF 2002-01-01	
EP 1005035	P	19951009	EP AA	PRIORITY (PATENT
			APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
			JP 95261247	A 19951009
EP 1005035	P	19960123	EP AA	PRIORITY (PATENT
			APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
			JP 968910	A 19960123
EP 1005035	P	19960515	EP AA	DIVIDED OUT OF
			(AUSSCHIEDUNG AUS)	
			EP 96915172	A3 19960515
EP 1005035	P	19960515	EP AE	EP-APPLICATION
			(EUROPAEISCHE ANMELDUNG)	
			EP 2000104818	A 19960515
EP 1005035	P	20000531	EP AC	DIVISIONAL APPLICATION (ART.
			76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
			EP 807929	P
EP 1005035	P	20000531	EP AK	DESIGNATED CONTRACTING
			STATES IN AN APPLICATION WITH SEARCH REPORT:	
			(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)	
			AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC	
			NL PT SE	
EP 1005035	P	20000531	EP AX	ERSTRECKUNG DES
			EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON	
			BENENNUNGSGEBUHREN)	
			AL;LT;LV;SI	
EP 1005035	P	20000531	EP A1	PUBLICATION OF APPLICATION
			WITH SEARCH REPORT (VEROEFFENTLICHUNG DER	
			ANMELDUNG MIT RECHERCHENBERICHT)	
EP 1005035	P	20000531	EP 17P	REQUEST FOR EXAMINATION
			FILED (PRUEFUNGSANTRAG GESTELLT)	
			20000306	
EP 1005035	P	20000913	EP 17Q	FIRST EXAMINATION REPORT
			(ERSTER PRUEFUNGSBESCHIED)	
			20000725	
EP 1005035	P	20001102	EP AC	DIVISIONAL APPLICATION (ART.
			76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
			EP 807929	P
EP 1005035	P	20001102	EP AK	DESIGNATED CONTRACTING
			STATES MENTIONED IN A PATENT SPECIFICATION:	
			(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT	
			VERTRAGSSTAATEN)	
			DE FR GB	
EP 1005035	P	20001102	EP B1	PATENT SPECIFICATION
			(PATENTSCHRIFT)	
EP 1005035	P	20001207	EP REF	CORRESPONDS TO:
			(ENTSPRICHT)	
			DE 69610861	P 20001207
EP 1005035	P	20001213	IE FG4D/REG	EUROPEAN PATENTS GRANTED
			DESIGNATING IRELAND	
EP 1005035	P	20010209	EP ET	FR: TRANSLATION FILED (FR:
			TRADUCTION A ETE REMISE)	
EP 1005035	P	20010214	EP AKX	PAYMENT OF DESIGNATION FEES
			(ZAHLUNG VON BENENNUNGSGEBUHREN)	

		DE FR GB	
EP 1005035	P	20011024 EP 26N	NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
EP 1005035	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1005035	P	20020306 IE MM4A/REG	PATENT LAPSED
EP 1006516	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009
EP 1006516	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123
EP 1006516	P	19960515 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 96915172 A3	19960515
EP 1006516	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 2000105014 A	19960515
EP 1006516	P	20000607 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1006516	P	20000607 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
		DE FR GB	
EP 1006516	P	20000607 EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUEHREN)
		AL;LT;LV;SI	
EP 1006516	P	20000607 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1006516	P	20000607 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000309	
EP 1006516	P	20010221 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
		DE FR GB	
EP 1006516	P	20010530 EP RBV	DESIGNATED CONTRACTING STATES (CORRECTION): (BENANNTE VERTRAGSSTAATEN (KORR.))
		DE FR GB	
EP 1006516	P	20010613 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
		20010427	
EP 1006516	P	20011121 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1006516	P	20011121 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
		DE FR GB	
EP 1006516	P	20011121 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1006516	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1006516	P	20020221 EP REF	CORRESPONDS TO: (ENTSPRICHT)
		DE 69618633 P	20020221
EP 1006516	P	20020412 EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 1006517	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009

EP 1006517	P	19960123 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123	
EP 1006517	P	19960515 EP AA	DIVIDED OUT OF	(AUSSCHEIDUNG AUS)
		EP 96915172 A3	19960515	
EP 1006517	P	19960515 EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
		EP 2000106447 A	19960515	
EP 1006517	P	20000607 EP AC	DIVISIONAL APPLICATION (ART. 76) OF:	(TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P		
EP 1006517	P	20000607 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:	(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB		
EP 1006517	P	20000607 EP AX	ERSTRECKUNG DES	EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUHREN)
		AL;LT;LV;SI		
EP 1006517	P	20000607 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT	(VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1006517	P	20000607 EP 17P	REQUEST FOR EXAMINATION FILED	(PRUEFUNGSANTRAG GESTELLT)
		20000324		
EP 1006517	P	20010221 EP AKX	PAYMENT OF DESIGNATION FEES	(ZAHLUNG VON BENENNUNGSGEBUHREN)
		DE FR GB		
EP 1006517	P	20010718 EP 17Q	FIRST EXAMINATION REPORT	(ERSTER PRUEFUNGSBESCHIED)
		20010605		
EP 1006517	P	20011128 EP AC	DIVISIONAL APPLICATION (ART. 76) OF:	(TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P		
EP 1006517	P	20011128 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION:	(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
		DE FR GB		
EP 1006517	P	20011128 EP B1	PATENT SPECIFICATION	(PATENTSCHRIFT)
EP 1006517	P	20011205 EP RIN2	INVENTOR (CORRECTION)	(ERFINDER (KORR.))
		GOTOH, YOSHIHO, C/O MATSUSHITA ELECTRIC IND.CO.LTD ; OSHIMA, MITSUAKI, C/O MATSUSHITA ELECTRIC IND.CO.L ; TANAKA, SHINICHI, C/O MATSUSHITA ELECTRIC IND.CO.L ; KOISHI, KENJI, C/O MATSUSHITA ELECTRIC IND.CO.LTD. ; MORIYA, MITSURO, C/O MATSUSHITA ELECTRIC IND.CO.L.		
EP 1006517	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01	
EP 1006517	P	20020110 EP REF	CORRESPONDS TO:	(ENTSPRICHT)
		DE 69617478 P	20020110	
EP 1006517	P	20020510 EP ET	FR: TRANSLATION FILED	(FR: TRADUCTION A ETE REMISE)
EP 1024478	P	19951009 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009	
EP 1024478	P	19960123 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123	
EP 1024478	P	19960809 EP AA	PRIORITY (PATENT APPLICATION)	

## APPLICATION) (PRIORITAET (PATENTANMELDUNG))

EP 1024478	P	JP 96211304 A 19960809 19961008 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 96932845 A3 19961008
EP 1024478	P	19961008 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000102970 A 19961008
EP 1024478	P	20000802 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1024478	P	20000802 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 1024478	P	DE FR GB 20000802 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1024478	P	20000802 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000301
EP 1024478	P	20001115 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI
EP 1024478	P	20001129 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20001011
EP 1024478	P	20010418 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1024478	P	20011024 EP RAHF DIVISIONAL APPLICATION (ART 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.)) EP 2001120681 A 20010903
EP 1024478	P	20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1024478	P	20020102 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 1168328 P
EP 1024478	P	20020502 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 802527 P
EP 1024478	P	20020502 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) 1168328 EP 2001120681 A 20010903
EP 1024478	P	20020502 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB
EP 1024478	P	20020502 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1024478	P	20020508 GB FG4D/REG EUROPEAN PATENT GRANTED
EP 1024478	P	20020606 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69621053 P 20020606
EP 1028422	P	19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1028422	P	JP 95261247 A 19951009 19960123 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

			JP 968910 A 19960123
EP 1028422	P	19960515 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96915172 A3 19960515
EP 1028422	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000109898 A 19960515
EP 1028422	P	20000816 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 807929 P
EP 1028422	P	20000816 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1028422	P	20000816 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1028422	P	20000816 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000510
EP 1028422	P	20010502 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
			DE FR GB
EP 1028422	P	20010704 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010516
EP 1028423	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A 19951009
EP 1028423	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A 19960123
EP 1028423	P	19960515 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 96915172 A3 19960515
EP 1028423	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000109899 A 19960515
EP 1028423	P	20000816 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:))
			EP 807929 P
EP 1028423	P	20000816 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB
EP 1028423	P	20000816 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1028423	P	20000816 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000510
EP 1028423	P	20001227 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20001113
EP 1028423	P	20010502 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
			DE FR GB
EP 1030297	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 95261247 A 19951009
EP 1030297	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 968910 A 19960123



EP 1030297	P	19960515 EP AA	DIVIDED OUT OF ( AUSSCHEIDUNG AUS)
		EP 96915172 A3	19960515
EP 1030297	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 2000110461 A	19960515
EP 1030297	P	20000823 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1030297	P	20000823 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1030297	P	20000823 EP AX	ERSTRECKUNG DES EUROPAEISCHEN PATENTS AUF (ZAHLUNG VON BENENNUNGSGEBUHREN)
		AL;LT;LV;SI	
EP 1030297	P	20000823 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1030297	P	20000823 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000519	
EP 1030297	P	20010418 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
		20010302	
EP 1030297	P	20010509 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
		DE FR GB	
EP 1031974	P	19951009 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 95261247 A	19951009
EP 1031974	P	19960123 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
		JP 968910 A	19960123
EP 1031974	P	19960515 EP AA	DIVIDED OUT OF (AUSSCHEIDUNG AUS)
		EP 96915172 A3	19960515
EP 1031974	P	19960515 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
		EP 2000112310 A	19960515
EP 1031974	P	20000830 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1031974	P	20000830 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
		DE FR GB	
EP 1031974	P	20000830 EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1031974	P	20000830 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000608	
EP 1031974	P	20001227 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
		20001113	
EP 1031974	P	20010516 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
		DE FR GB	
EP 1031974	P	20010816 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 807929 P	
EP 1031974	P	20010816 EP AK	DESIGNATED CONTRACTING

STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT  
VERTRAGSSTAATEN)

		DE FR GB	
EP 1031974	P	20010816 EP B1	PATENT SPECIFICATION
		(PATENTSCHRIFT)	
EP 1031974	P	20010920 EP REF	CORRESPONDS TO:
		(ENTSPRICHT)	
		DE 69614580 P	20010920
EP 1031974	P	20011228 EP ET	FR: TRANSLATION FILED (FR:
		TRADUCTION A ETE REMISE)	
EP 1031974	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS
		OF 2002-01-01	
EP 1035693	P	19920925 EP AA	PRIORITY (PATENT
		APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 92256070 A	19920925
EP 1035693	P	19930325 EP AA	PRIORITY (PATENT
		APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 9366461 A	19930325
EP 1035693	P	19930510 EP AA	PRIORITY (PATENT
		APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 93132984 A	19930510
EP 1035693	P	19930924 EP AA	DIVIDED OUT OF
		(AUSSCHIEDUNG AUS)	
		EP 93307575 A3	19930924
EP 1035693	P	19930924 EP AE	EP-APPLICATION
		(EUROPAEISCHE ANMELDUNG)	
		EP 2000114572 A	19930924
EP 1035693	P	20000913 EP AC	DIVISIONAL APPLICATION (ART.
		76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 589709 P	
EP 1035693	P	20000913 EP AK	DESIGNATED CONTRACTING
		STATES IN AN APPLICATION WITHOUT SEARCH	
		REPORT: (IN EINER ANMELDUNG OHNE	
		RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL	
		PT SE	
EP 1035693	P	20000913 EP A2	PUBLICATION OF APPLICATION
		WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER	
		ANMELDUNG OHNE RECHERCHENBERICHT)	
EP 1035693	P	20001011 EP 17P	REQUEST FOR EXAMINATION
		FILED (PRUEFUNGSANTRAG GESTELLT)	
		20000714	
EP 1035693	P	20001206 EP AK	DESIGNATED CONTRACTING
		STATES IN A SEARCH REPORT: (IN EINEM	
		RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL	
		PT SE	
EP 1035693	P	20001206 EP A3	SEPARATE PUBLICATION OF THE
		SEARCH REPORT (ART. 93) (GESONDERTE	
		VEROEFFENTLICHUNG DES RECHERCHENBERICHTS	
		(ART. 93))	
EP 1035693	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES
		(ZAHLUNG VON BENENNUNGSGEBUEHREN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL	
		PT SE	
EP 1035693	P	20010919 EP 17Q	FIRST EXAMINATION REPORT
		(ERSTER PRUEFUNGSBESCHIED)	
		20010806	
EP 1035693	P	20020410 EP RIC1	CLASSIFICATION (CORRECTION)
		(KLASSIFIKATION (KORR.))	
		7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26	
		B, 7H 04L 27/34 B	

EP 1035694	P	19920925 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 92256070 A	19920925	
EP 1035694	P	19930325 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 9366461 A	19930325	
EP 1035694	P	19930510 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 93132984 A	19930510	
EP 1035694	P	19930924 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)	
		EP 93307575 A3	19930924	
EP 1035694	P	19930924 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
		EP 2000114573 A	19930924	
EP 1035694	P	20000913 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 589709 P		
EP 1035694	P	20000913 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE		
EP 1035694	P	20000913 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)	
EP 1035694	P	20001011 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)	
		20000714		
EP 1035694	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE		
EP 1035694	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))	
EP 1035694	P	20001206 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))	
		7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B		
EP 1035694	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)	
		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE		
EP 1035694	P	20010919 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)	
		20010806		
EP 1035694	P	20020410 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))	
		7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B		
EP 1035695	P	19920925 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 92256070 A	19920925	
EP 1035695	P	19930325 EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
		JP 9366461 A	19930325	

EP 1035695	P	19930510	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93132984 A	19930510
EP 1035695	P	19930924	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93307575 A3	19930924
EP 1035695	P	19930924	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114575 A	19930924
EP 1035695	P	20000913	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 589709 P	
EP 1035695	P	20000913	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1035695	P	20000913	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1035695	P	20001011	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000714	
EP 1035695	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1035695	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1035695	P	20001206	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B	
EP 1035695	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1035695	P	20010919	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010806	
EP 1035695	P	20020410	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B	
EP 1035696	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92256070 A	19920925
EP 1035696	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9366461 A	19930325
EP 1035696	P	19930510	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93132984 A	19930510
EP 1035696	P	19930924	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93307575 A3	19930924
EP 1035696	P	19930924	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

			EP 2000114577 A 19930924
EP 1035696	P	20000913 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 589709 P	
EP 1035696	P	20000913 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035696	P	20000913 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1035696	P	20001011 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000714	
EP 1035696	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035696	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1035696	P	20001206 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B
EP 1035696	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035696	P	20010919 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
		20010806	
EP 1035696	P	20020410 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1035696	P	20020417 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1035696	P	20020417 EP RTI1	TITLE (CORRECTION) (TITEL (KORR.))
			MULTIRESOLUTION TRANSMISSION, IN PARTICULAR FOR MULTICARRIER SYSTEMS
EP 1035697	P	19920925 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1035697	P	19930325 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1035697	P	19930510 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1035697	P	19930924 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
		EP 93307575 A3	19930924
EP 1035697	P	19930924 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)

			EP 2000114578 A 19930924
EP 1035697	P	20000913 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 589709 P	
EP 1035697	P	20000913 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035697	P	20000913 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1035697	P	20001011 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
		20000714	
EP 1035697	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035697	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1035697	P	20001206 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B
EP 1035697	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035697	P	20010919 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
		20010806	
EP 1035697	P	20020410 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1035698	P	19920925 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1035698	P	19930325 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92256070 A 19920925
EP 1035698	P	19930510 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9366461 A 19930325
EP 1035698	P	19930924 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93307575 A3 19930924
EP 1035698	P	19930924 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114579 A 19930924
EP 1035698	P	20000913 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
		EP 589709 P	
EP 1035698	P	20000913 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035698	P	20000913	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1035698	P	20001011	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000714
EP 1035698	P	20001206	EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035698	P	20001206	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1035698	P	20001206	EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B
EP 1035698	P	20010822	EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1035698	P	20010919	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010806
EP 1035698	P	20020410	EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039672	P	19920925	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92256070 A 19920925
EP 1039672	P	19930325	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9366461 A 19930325
EP 1039672	P	19930510	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93132984 A 19930510
EP 1039672	P	19930924	EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93307575 A3 19930924
EP 1039672	P	19930924	EP AE EP-APPLICATION (EUROPÄISCHE ANMELDUNG)
			EP 2000114576 A 19930924
EP 1039672	P	20000927	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 589709 P
EP 1039672	P	20000927	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039672	P	20000927	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039672	P	20000927	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712

EP 1039672	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039672	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039672	P	20001206	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B
EP 1039672	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039672	P	20010919	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010806
EP 1039672	P	20020410	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039673	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326
EP 1039673	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925
EP 1039673	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039673	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114689 A 19930326
EP 1039673	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039673	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039673	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039673	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039673	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039673	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039673	P	20010530	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)



20010412

EP 1039673	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039673	P	20010919	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039673	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039673	P	20020424	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039673	P	20020424	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039673	P	20020424	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039673	P	20020424	GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1039673	P	20020424	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216812 R 20020515
EP 1039673	P	20020430	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039673	P	20020529	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69331853 P 20020529
EP 1039673	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039674	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326
EP 1039674	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925
EP 1039674	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039674	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114690 A 19930326
EP 1039674	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039674	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039674	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039674	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)

			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039674	P	20010530 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010412
EP 1039674	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20010919 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039674	P	20010926 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039674	P	20010926 EP RTI1	TITLE (CORRECTION) (TITEL (KORR.)) MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING WITH MULTICARRIER SIGNALS
EP 1039674	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039674	P	20020424 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039674	P	20020424 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039674	P	20020424 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039674	P	20020424 GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1039674	P	20020424 EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216813 R 20020515
EP 1039674	P	20020430 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039674	P	20020529 EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69331854 P 20020529
EP 1039674	P	20020614 CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039675	P	19920326 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326
EP 1039675	P	19920925 EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925
EP 1039675	P	19930326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039675	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114692 A 19930326
EP 1039675	P	20000927 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P

EP 1039675	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039675	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039675	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
				20000712
EP 1039675	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039675	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039675	P	20010418	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
				20010302
EP 1039675	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039675	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039675	P	20020306	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
				EP 562875 P
EP 1039675	P	20020306	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039675	P	20020306	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039675	P	20020306	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
				AT 214214 R 20020315
EP 1039675	P	20020315	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039675	P	20020411	EP REF	CORRESPONDS TO: (ENTSPRICHT)
				DE 69331667 P 20020411
EP 1039675	P	20020417	IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 1039675	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI)
				NOVAGRAAF INTERNATIONAL SA
EP 1039675	P	20020624	DK T3/REG	TRANSLATION OF EP PATENT
EP 1039676	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 9267934 A 19920326
EP 1039676	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 92256070 A 19920925
EP 1039676	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)

			EP 93302369 A3 19930326
EP 1039676	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114694 A 19930326
EP 1039676	P	20000927 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1039676	P	20000927 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039676	P	20000927 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039676	P	20000927 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000712
EP 1039676	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039676	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039676	P	20010530 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
			20010412
EP 1039676	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039676	P	20010919 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039676	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039676	P	20020424 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1039676	P	20020424 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039676	P	20020424 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039676	P	20020424 GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1039676	P	20020424 EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
			AT 216814 R 20020515
EP 1039676	P	20020430 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039676	P	20020529 EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69331855 P 20020529
EP 1039676	P	20020614 CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI)
			NOVAGRAAF INTERNATIONAL SA
EP 1039677	P	19920326 EP AA	PRIORITY (PATENT

		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
EP 1039677	P	JP 9267934 A 19920326 19920925 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
EP 1039677	P	JP 92256070 A 19920925 19930326 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)	
EP 1039677	P	EP 93302369 A3 19930326 19930326 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)	
EP 1039677	P	EP 2000114696 A 19930326 20000927 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
EP 1039677	P	EP 562875 P 20000927 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	
EP 1039677	P	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20000927 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)	
EP 1039677	P	20000927 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712	
EP 1039677	P	20001206 EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)	
EP 1039677	P	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE 20001206 EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))	
EP 1039677	P	20010530 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010412	
EP 1039677	P	20010822 EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1039677	P	20010919 EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B	
EP 1039677	P	20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01	
EP 1039677	P	20020424 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P	
EP 1039677	P	20020424 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1039677	P	20020424 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)	
EP 1039677	P	20020424 GB FG4D/REG EUROPEAN PATENT GRANTED	
EP 1039677	P	20020424 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216815 R 20020515	
EP 1039677	P	20020430 CH EP/REG ENTRY IN THE NATIONAL PHASE	

EP 1039677	P	20020529	EP REF	(EINTRITT IN DIE NATIONALE PHASE) CORRESPONDS TO: (ENTSPRICHT) DE 69331856 P 20020529
EP 1039677	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039678	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039678	P	19920925	EP AA	JP 9267934 A 19920326 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1039678	P	19930326	EP AA	JP 92256070 A 19920925 DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039678	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114697 A 19930326
EP 1039678	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039678	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 1039678	P	20000927	EP A2	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039678	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039678	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
EP 1039678	P	20001206	EP A3	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039678	P	20010530	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010412
EP 1039678	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039678	P	20010919	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039678	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039678	P	20020424	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039678	P	20020424	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)

		AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1039678	P	20020424	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039678	P	20020424	GB FG4D/REG EUROPEAN PATENT GRANTED
EP 1039678	P	20020424	EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216816 R 20020515
EP 1039678	P	20020430	CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039678	P	20020529	EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69331857 P 20020529
EP 1039678	P	20020614	CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039679	P	19920326	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326
EP 1039679	P	19920925	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925
EP 1039679	P	19930326	EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039679	P	19930326	EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114698 A 19930326
EP 1039679	P	20000927	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039679	P	20000927	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE			
EP 1039679	P	20000927	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039679	P	20000927	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039679	P	20001206	EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE			
EP 1039679	P	20001206	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039679	P	20010530	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010412
EP 1039679	P	20010822	EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039679	P	20010919	EP RIC1 CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B

EP 1039679	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039679	P	20020424	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039679	P	20020424	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039679	P	20020424	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039679	P	20020424	GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1039679	P	20020424	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216817 R 20020515
EP 1039679	P	20020430	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039679	P	20020529	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69331858 P 20020529
EP 1039679	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039680	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 9267934 A 19920326
EP 1039680	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) JP 92256070 A 19920925
EP 1039680	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039680	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114699 A 19930326
EP 1039680	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039680	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039680	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039680	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039680	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039680	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039680	P	20010418	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)



20010302

EP 1039680	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039680	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039680	P	20020306	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039680	P	20020306	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039680	P	20020306	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039680	P	20020306	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 214215 R 20020315
EP 1039680	P	20020315	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039680	P	20020411	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69331668 P 20020411
EP 1039680	P	20020417	IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 1039680	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039680	P	20020624	DK T3/REG	TRANSLATION OF EP PATENT
EP 1039681	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  JP 9267934 A 19920326
EP 1039681	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  JP 92256070 A 19920925
EP 1039681	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039681	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114701 A 19930326
EP 1039681	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039681	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039681	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039681	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 20000712
EP 1039681	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)  AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL

			PT SE	
EP 1039681	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039681	P	20001206	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04N 7/24 B
EP 1039681	P	20010530	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010412
EP 1039681	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039681	P	20010919	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1039681	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039681	P	20020417	EP RTI1	TITLE (CORRECTION) (TITEL (KORR.)) MULTIRESOLUTION TRANSMISSION AND ERROR CORRECTION CODING, WITH MULTICARRIER SIGNALS
EP 1039681	P	20020424	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P
EP 1039681	P	20020424	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039681	P	20020424	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039681	P	20020424	GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1039681	P	20020424	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 216818 R 20020515
EP 1039681	P	20020430	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039681	P	20020529	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69331859 P 20020529
EP 1039681	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) NOVAGRAAF INTERNATIONAL SA
EP 1039682	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  JP 9267934 A 19920326
EP 1039682	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))  JP 92256070 A 19920925
EP 1039682	P	19930326	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS) EP 93302369 A3 19930326
EP 1039682	P	19930326	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 2000114702 A 19930326
EP 1039682	P	20000927	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 562875 P

EP 1039682	P	20000927	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039682	P	20000927	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1039682	P	20000927	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
				20000712
EP 1039682	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039682	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1039682	P	20010418	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)
				20010302
EP 1039682	P	20010704	EP RT11	TITEL (CORRECTION) (TITEL (KORR.))
				MULTIRESOLUTION TRANSMISSION, IN PARTICULAR WITH MULTICARRIER SIGNALS
EP 1039682	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039682	P	20020101	GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1039682	P	20020306	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
				EP 562875 P
EP 1039682	P	20020306	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
				AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1039682	P	20020306	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1039682	P	20020306	EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
				AT 214216 R 20020315
EP 1039682	P	20020315	CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1039682	P	20020411	EP REF	CORRESPONDS TO: (ENTSPRICHT)
				DE 69331669 P 20020411
EP 1039682	P	20020417	IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 1039682	P	20020614	CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI)
				NOVAGRAAF INTERNATIONAL SA
EP 1039682	P	20020624	DK T3/REG	TRANSLATION OF EP PATENT
EP 1045541	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
				JP 9267934 A 19920326
EP 1045541	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

			JP 92256070 A 19920925
EP 1045541	P	19930326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93302369 A3 19930326
EP 1045541	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114700 A 19930326
EP 1045541	P	20001018 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1045541	P	20001018 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1045541	P	20001018 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1045541	P	20001018 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000712
EP 1045541	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1045541	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1045541	P	20010418 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010302
EP 1045541	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1045541	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1045541	P	20020306 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1045541	P	20020306 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1045541	P	20020306 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1045541	P	20020306 EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
			AT 214217 R 20020315
EP 1045541	P	20020315 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1045541	P	20020411 EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69331670 P 20020411
EP 1045541	P	20020417 IE FG4D/REG	EUROPEAN PATENTS GRANTED DESIGNATING IRELAND
EP 1045541	P	20020614 CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI)
			NOVAGRAAF INTERNATIONAL SA

EP 1045541	P	20020624	DK T3/REG	TRANSLATION OF EP PATENT
EP 1049282	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92256070	A 19920925
EP 1049282	P	19930325	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9366461	A 19930325
EP 1049282	P	19930510	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 93132984	A 19930510
EP 1049282	P	19930924	EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93307575	A3 19930924
EP 1049282	P	19930924	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114574	A 19930924
EP 1049282	P	20001102	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 589709	P
EP 1049282	P	20001102	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1049282	P	20001102	EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1049282	P	20001102	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000712	
EP 1049282	P	20001206	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1049282	P	20001206	EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1049282	P	20001206	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B, 7H 04L 27/38 B, 7H 04N 7/24 B	
EP 1049282	P	20010822	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE	
EP 1049282	P	20010919	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010806	
EP 1049282	P	20020410	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 27/02 A, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B	
EP 1049283	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9267934	A 19920326
EP 1049283	P	19920925	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

			JP 92256070 A 19920925
EP 1049283	P	19930326 EP AA	DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93302369 A3 19930326
EP 1049283	P	19930326 EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114693 A 19930326
EP 1049283	P	20001102 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1049283	P	20001102 EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049283	P	20001102 EP A2	PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1049283	P	20001102 EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000712
EP 1049283	P	20001206 EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049283	P	20001206 EP A3	SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1049283	P	20010530 EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010412
EP 1049283	P	20010822 EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049283	P	20010919 EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.))
			7H 04L 1/00 A, 7H 04L 27/02 B, 7H 04L 27/18 B, 7H 04L 27/26 B, 7H 04L 27/34 B
EP 1049283	P	20020101 GB IF02/REG	EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1049283	P	20020424 EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1049283	P	20020424 EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049283	P	20020424 EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1049283	P	20020424 GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 1049283	P	20020424 EP REF	IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
			AT 216819 R 20020515
EP 1049283	P	20020430 CH EP/REG	ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1049283	P	20020529 EP REF	CORRESPONDS TO: (ENTSPRICHT)
			DE 69331860 P 20020529
EP 1049283	P	20020614 CH NV/REG	NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI

			MANDATARI)
			NOVAGRAAF INTERNATIONAL SA
EP 1049284	P	19920326	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 9267934 A 19920326
EP 1049284	P	19920925	EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
			JP 92256070 A 19920925
EP 1049284	P	19930326	EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
			EP 93302369 A3 19930326
EP 1049284	P	19930326	EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
			EP 2000114695 A 19930326
EP 1049284	P	20001102	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1049284	P	20001102	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049284	P	20001102	EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1049284	P	20001102	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20000712
EP 1049284	P	20001206	EP AK DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049284	P	20001206	EP A3 SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1049284	P	20010418	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED)
			20010302
EP 1049284	P	20010822	EP AKX PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049284	P	20020101	GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 1049284	P	20020306	EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 562875 P
EP 1049284	P	20020306	EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN)
			AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
EP 1049284	P	20020306	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 1049284	P	20020306	EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:)
			AT 214218 R 20020315
EP 1049284	P	20020315	CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 1049284	P	20020411	EP REF CORRESPONDS TO:

		(ENTSPRICHT)	
		DE 69331671 P 20020411	
EP 1049284	P	20020417 IE FG4D/REG	EUROPEAN PATENTS GRANTED
		DESIGNATING IRELAND	
EP 1049284	P	20020614 CH NV/REG	NEW AGENT (NEUER
		VERTRETER/NOUVEAUX MANDATAIRES/NUOVI	
		MANDATARI)	
		NOVAGRAAF INTERNATIONAL SA	
EP 1049284	P	20020624 DK T3/REG	TRANSLATION OF EP PATENT
EP 1049334	P	19910327 EP AA	PRIORITY (PATENT
		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
		JP 9162798 A 19910327	
EP 1049334	P	19910425 EP AA	PRIORITY (PATENT
		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
		JP 9195813 A 19910425	
EP 1049334	P	19910529 EP AA	PRIORITY (PATENT
		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
		JP 91155650 A 19910529	
EP 1049334	P	19910723 EP AA	PRIORITY (PATENT
		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
		JP 91182236 A 19910723	
EP 1049334	P	19920317 EP AA	PRIORITY (PATENT
		APPLICATION) (PRIORITAET (PATENTANMELDUNG))	
		JP 9260739 A 19920317	
EP 1049334	P	19920326 EP AA	DIVIDED OUT OF
		(AUSSCHIEDUNG AUS)	
		EP 92302627 A3 19920326	
EP 1049334	P	19920326 EP AA	DIVIDED OUT OF
		(AUSSCHIEDUNG AUS)	
		EP 96119060 A3 19920326	
EP 1049334	P	19920326 EP AE	EP-APPLICATION
		(EUROPAEISCHE ANMELDUNG)	
		EP 2000114691 A 19920326	
EP 1049334	P	20001102 EP AC	DIVISIONAL APPLICATION (ART.
		76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 506400 P	
EP 1049334	P	20001102 EP AC	DIVISIONAL APPLICATION (ART.
		76) OF: (TEILANMELDUNG (ART. 76) AUS:)	
		EP 766478 P	
EP 1049334	P	20001102 EP AK	DESIGNATED CONTRACTING
		STATES IN AN APPLICATION WITH SEARCH REPORT:	
		(IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)	
		DE FR GB NL	
EP 1049334	P	20001102 EP A1	PUBLICATION OF APPLICATION
		WITH SEARCH REPORT (VEROEFFENTLICHUNG DER	
		ANMELDUNG MIT RECHERCHENBERICHT)	
EP 1049334	P	20001102 EP 17P	REQUEST FOR EXAMINATION
		FILED (PRUEFUNGSANTRAG GESTELLT)	
		20000715	
EP 1049334	P	20001220 EP K1C1	CORRECTION OF PATENT
		APPLICATION (TITLE PAGE) PUBLISHED	
		(BERICHTIGUNG DER PATENTANMELDUNG	
		(TITELSEITE) ERSCHIENEN)	
		20001102	
EP 1049334	P	20001220 EP RPR1	PRIORITY (CORRECTION)
		(PRIORITAET (KORR.))	
		JP 19910327 6279891 ; JP 19910425 9581391 ;	
		JP 19910529 15565091 ; JP 19910723 18223691 ;	
		JP 19920317 6073992	
EP 1049334	P	20010718 EP AKX	PAYMENT OF DESIGNATION FEES
		(ZAHLUNG VON BENENNUNGSGEBUHREN)	
		DE FR GB NL	
EP 1050879	P	19930727 EP AA	PRIORITY (PATENT



		APPLICATION)	(PRIORITAET	(PATENTANMELDUNG))
EP 1050879	P	JP 93205682 A 19930727 19931102 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1050879	P	JP 93297504 A 19931102 19931119 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1050879	P	JP 93314114 A 19931119 19940418 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1050879	P	JP 94104879 A 19940418 19940707 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1050879	P	JP 94156089 A 19940707 19940727 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)		
EP 1050879	P	EP 94305557 A3 19940727 19940727 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)		
EP 1050879	P	EP 2000115017 A 19940727 20001108 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)		
EP 1050879	P	EP 637016 P 20001108 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)		
EP 1050879	P	BE CH DE FR GB IT LI NL 20001108 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)		
EP 1120777	P	19941117 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1120777	P	JP 94283415 A 19941117 19950202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1120777	P	JP 9516153 A 19950202 19951009 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))		
EP 1120777	P	JP 95261247 A 19951009 19951116 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)		
EP 1120777	P	EP 95938017 A3 19951116 19951116 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)		
EP 1120777	P	EP 2001108949 A 19951116 20010801 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)		
EP 1120777	P	EP 741382 P 20010801 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)		
EP 1120777	P	DE FR GB 20010801 EP A2 PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)		
EP 1120777	P	20010801 EP 17P REQUEST FOR EXAMINATION		

FILED (PRUEFUNGSANTRAG GESTELLT)  
20010410

EP 1120777	P	20011010	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT: (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 1120777	P	20011010	EP A3	DE FR GB SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 1120777	P	20011010	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7G 11B 20/00 A, 7G 06F 1/00 B, 7G 11B 7/00 B, 7G 11B 27/30 B, 7G 11B 23/28 B, 7G 11B 13/04 B, 7G 11B 11/105 B, 7G 11B 19/02 B, 7G 11B 19/12 B, 7G 11B 7/007 B, 7G 11B 7/26 B, 7G 11B 20/12 B, 7G 11B 27/10 B
EP 1120777	P	20020703	EP AKX	PAYMENT OF DESIGNATION FEES (ZAHLUNG VON BENENNUNGSGEBUEHREN) DE FR GB
EP 1154608	P	19920326	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1154608	P	19920925	EP AA	JP 9267934 A 19920326 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1154608	P	19930326	EP AA	JP 92256070 A 19920925 DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 1154608	P	19930326	EP AE	EP 93302369 A3 19930326 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 1154608	P	20011114	EP AC	EP 2001118510 A 19930326 DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 1154608	P	20011114	EP AK	EP 562875 P DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT: (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 1154608	P	20011114	EP A2	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 1168328	P	19951009	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1168328	P	19960123	EP AA	JP 95261247 A 19951009 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1168328	P	19960809	EP AA	JP 968910 A 19960123 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 1168328	P	19961008	EP AA	JP 96211304 A 19960809 DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 1168328	P	19961008	EP AA	EP 96932845 A3 19961008 DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 1168328	P	19961008	EP AE	EP 2000102970 A3 19961008 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
				EP 2001120681 A 19961008

EP 1168328	P	20020102	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 802527	P
EP 1168328	P	20020102	EP AC	DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
			EP 1024478	P
EP 1168328	P	20020102	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
			DE FR GB	
EP 1168328	P	20020102	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 1168328	P	20020102	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
			20010919	
EP 1168328	P	20020424	EP R1N1	INVENTOR (CORRECTION) (ERFINDER (KORR.))
				OSHIMA, MITSUAKI ; GOTOH, YOSHIHO ; TANAKA, SHINICHI ; KOISHI, KENJI ; MORIYA, MITSUROU ; TAKEMURA, YOSHINARI

# JAPAN (JP)

Patent (No,Kind,Date): JP 5250756 A2 19930928  
 RECORDER/REPRODUCER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9250328 A 19920309  
 Applic (No,Kind,Date): JP 9250328 A 19920309  
 IPC: \* G11B-013/04; G11B-013/00  
 JAPIO Reference No: ; 180014P000119  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 5307788 A2 19931119  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 92111176 A 19920430  
 Applic (No,Kind,Date): JP 92111176 A 19920430  
 IPC: \* G11B-013/04; G11B-013/00  
 JAPIO Reference No: ; 180121P000165  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 5327807 A2 19931210  
 TRANSMITTER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317  
 Applic (No,Kind,Date): JP 9268935 A 19920327  
 IPC: \* H04L-027/36; H04J-003/00; H04J-011/00; H04L-027/38; H04N-007/00 ; H04N-007/13; H04N-007/20  
 JAPIO Reference No: ; 180152E000002  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 6036387 A2 19940210  
 RECORDING/REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 92194450 A 19920722  
 Applic (No,Kind,Date): JP 92194450 A 19920722  
 IPC: \* G11B-013/04; G11B-013/00  
 JAPIO Reference No: ; 180264P000063  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 6164665 A2 19940610  
 TRANSMITTER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A

19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 9368545 A 19930326  
 IPC: \* H04L-027/36; H04L-027/38; H04L-027/00; H04N-005/40; H04N-007/00  
 ; H04N-007/20; H04N-011/04  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292  
 JAPIO Reference No: \* 180486E000144; 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 6180888 A2 19940628  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9334656 A 19930128; JP 9213809 A  
 19920129; JP 9268031 A 19920326; JP 92280874 A 19920925  
 Applic (No,Kind,Date): JP 9334656 A 19930128  
 IPC: \* G11B-013/00; G11B-013/04; G11B-011/10  
 Derwent WPI Acc No: \* G 93-251292; G 93-313529  
 JAPIO Reference No: \* 180522P000136; 180522P000136  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 6231509 A2 19940819  
 RECORDING/REPRODUCING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO  
 ; SHIMIZU RYOSUKE  
 Priority (No,Kind,Date): JP 9363428 A 19930226; JP 9242558 A  
 19920228; JP 92282666 A 19921021; JP 92331300 A 19921211  
 Applic (No,Kind,Date): JP 9363428 A 19930226  
 IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;  
 G11B-023/40  
 Derwent WPI Acc No: \* G 93-251292; G 93-313529  
 JAPIO Reference No: \* 180618P000070; 180618P000070  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 6231510 A2 19940819  
 RECORDING/REPRODUCING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KAMIKADO TOSHIKAZU; TANAKA MICHIRO  
 ; SHIMIZU RYOSUKE  
 Priority (No,Kind,Date): JP 9392247 A 19930326; JP 9268031 A  
 19920326; JP 92280874 A 19920925; JP 92282666 A 19921021; JP  
 92331300 A 19921211  
 Applic (No,Kind,Date): JP 9392247 A 19930326  
 IPC: \* G11B-013/04; G11B-005/127; G11B-005/82; G11B-013/00;  
 G11B-023/40  
 Derwent WPI Acc No: \* G 93-251292; G 93-313529  
 JAPIO Reference No: \* 180522P000136; 180618P000070; 180618P000070  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7093962 A2 19950407  
 INFORMATION RECORDING AND REPRODUCING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; TAN SATOSHI; KUWAMOTO MAKOTO  
 Priority (No,Kind,Date): JP 93300723 A 19931201; JP 92321063 A  
 19921201; JP 938596 A 19930121; JP 93205682 A 19930727  
 Applic (No,Kind,Date): JP 93300723 A 19931201  
 IPC: \* G11B-033/02; G11B-017/04; G11B-025/10  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 94-250560; G 95-116722  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7099522 A2 19950411  
 TRANSMITTER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 93261611 A 19930924  
 IPC: \* H04L-027/34; H04B-001/66; H04B-014/04  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 7235097 A2 19950905  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;  
 YOSHIURA TSUKASA  
 Priority (No,Kind,Date): JP 93351425 A 19931228; JP 938596 A  
 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP  
 93333403 A 19931227; JP 93349972 A 19931227  
 Applic (No,Kind,Date): JP 93351425 A 19931228  
 IPC: \* G11B-013/04; G11B-005/02  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 94-250560; G 94-342258; G 95-116722; G 95-341616  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7235098 A2 19950905  
 INFORMATION RECORDING MEDIUM AND ITS MANUFACTURE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI  
 Priority (No,Kind,Date): JP 93351426 A 19931228; JP 938596 A  
 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
 9391011 A 19930419; JP 93205682 A 19930727; JP 93297504 A  
 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
 Applic (No,Kind,Date): JP 93351426 A 19931228  
 IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/40  
 Derwent WPI Acc No: ; G 95-341616  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7235099 A2 19950905  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; TANAKA MICHIRO;  
 YOSHIURA TSUKASA; KAMIKADO TOSHIKAZU; TAN SATOSHI  
 Priority (No,Kind,Date): JP 9422135 A 19940121; JP 938596 A  
 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP  
 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A  
 19931119; JP 93333874 A 19931227; JP 93333392 A 19931227; JP  
 93333403 A 19931227; JP 93349972 A 19931227  
 Applic (No,Kind,Date): JP 9422135 A 19940121  
 IPC: \* G11B-013/04; G11B-020/12; G11B-020/18  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 94-250560; G 94-342258; G 95-116722; G 95-341616  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7249227 A2 19950926  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 94195853 A 19940727; JP 93205682 A  
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
 93349972 A 19931227; JP 9422191 A 19940120  
 Applic (No,Kind,Date): JP 94195853 A 19940727  
 IPC: \* G11B-007/00; G11B-007/007; G11B-013/04  
 Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 94-342258; G  
 95-116722; G 95-246541; G 95-341616; G 96-062972; G 98-181451  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7264148 A2 19951013  
 TRANSMITTER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9479668 A 19940324  
 Applic (No,Kind,Date): JP 9479668 A 19940324  
 IPC: \* H04H-001/00; H04N-007/01; H04N-007/24  
 Derwent WPI Acc No: \* G 95-387959; G 95-387959  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7320333 A2 19951208  
 RECORDING/REPRODUCING APPARATUS AND RECORDING MEDIUM AND ITS  
 MANUFACTURE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI

Priority (No,Kind,Date): JP 9422158 A 19940121; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP 93333855 A 19931227  
 Applic (No,Kind,Date): JP 9422158 A 19940121  
 IPC: \* G11B-013/04; B42D-015/10; G06K-019/06; G11B-023/30  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G 94-250560; G 95-116722; G 95-341616; G 96-062972; G 96-062972  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 7322219 A2 19951208  
 TRANSMITTER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
 Applic (No,Kind,Date): JP 9479432 A 19940325  
 IPC: \* H04N-007/015; H04N-007/20  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 8212560 A2 19960820  
 OPTICAL RECORDING MEDIUM AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): UENO FUMIAKI; OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 94327805 A 19941228; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
 Applic (No,Kind,Date): JP 94327805 A 19941228  
 IPC: \* G11B-007/007; B41M-005/26; G11B-007/00; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 8212681 A2 19960820  
 RECORDING/REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9516865 A 19950203  
 Applic (No,Kind,Date): JP 9516865 A 19950203  
 IPC: \* G11B-019/04; G11B-007/00; G11B-013/04; G11B-019/02; G11B-020/10  
 Derwent WPI Acc No: \* G 95-373939  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 8273164 A2 19961018  
 RECORDING AND REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI  
 Priority (No,Kind,Date): JP 9592116 A 19950418; JP 94104879 A 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP 9515318 A 19950201; JP 9516153 A 19950202  
 Applic (No,Kind,Date): JP 9592116 A 19950418  
 IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-007/26; G11B-013/04; G11B-019/04; G11B-020/10  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 96-268785; G 01-018026  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 10233019 A2 19980902  
 OPTICAL DISK, OPTICAL DISK MANUFACTURING DEVICE AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): KONISHI SHINICHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO; GOTOU YOSHITOSHI; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 979318 A 19970122; JP 968110 A 19960122; JP 968910 A 19960123; JP 96339304 A 19961219; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 979318 A 19970122  
 IPC: \* G11B-007/00; G11B-007/007; G11B-007/24; G11B-020/10  
 Derwent WPI Acc No: \* G 97-236117; G 97-236119; G 98-363034  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 11162031 A2 19990618

OPTICAL DISK, METHOD FOR RECORDING/REPRODUCING OPTICAL DISK DRAW INFORMATION, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING/REPRODUCING DEVICE, OPTICAL DISK DRAW INFORMATION RECORDER AND OPTICAL DISK RECORDER (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): MIYATAKE NORIO; MURAKAMI MOTOYOSHI; OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 97351243 A 19971219; JP 96339304 A 19961219; JP 97259110 A 19970924

Applic (No,Kind,Date): JP 97351243 A 19971219

IPC: \* G11B-011/10; G11B-007/00; G11B-007/007; G11B-007/24; G11B-013/00; G11B-020/10

Derwent WPI Acc No: \* G 98-363034

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032074 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169243 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032075 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169244 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032076 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317

Applic (No,Kind,Date): JP 99169245 A 19990616

IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20

Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731

JAPIO Reference No: \* 180152E000002

Language of Document: Japanese

Patent (No,Kind,Date): JP 2000032077 A2 20000128

TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD

Author (Inventor): OSHIMA MITSUAKI

Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP

91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169246 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
 H04N-007/20  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000032078 A2 20000128  
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
 RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169247 A 19990616  
 IPC: \* H04L-027/36; H04L-027/38; H04N-007/015; H04N-007/20  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000032079 A2 20000128  
 TRANSMITTER, RECEIVER, TRANSMISSION DEVICE, TRANSMISSION METHOD AND  
 RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169248 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015;  
 H04N-007/20  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000076659 A2 20000314  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257252 A 19990910  
 IPC: \* G11B-007/007; G11B-019/04; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000076662 A2 20000314  
 OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK AND MANUFACTURE OF  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257248 A 19990910  
 IPC: \* G11B-007/085; G11B-007/004; G11B-007/24; G11B-019/04;  
 G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000076705 A2 20000314  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;



KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257245 A 19990910  
 IPC: \* G11B-007/24; G11B-019/04; G11B-020/10; G11B-027/28  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000076791 A2 20000314  
 OPTICAL DISK, OPTICAL DISK RECORDING METHOD AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 99257247 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257247 A 19990910  
 IPC: \* G11B-020/10; G11B-007/007; G11B-020/12; G11B-020/18  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000078222 A2 20000314  
 TRANSMITTER, RECEIVER, TRANSMITTING DEVICE, TRANSMISSION METHOD AND RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99200091 A 19990714; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99200091 A 19990714  
 IPC: \* H04L-027/34; H04J-003/00; H04J-015/00; H04L-027/36; H04L-027/38; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000106579 A2 20000411  
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289582 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000106580 A2 20000411  
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289583 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000106581 A2 20000411  
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A

19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289584 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000106582 A2 20000411  
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289585 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000106583 A2 20000411  
 TRANSMITTER, RECEIVER AND TRANSMISSION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289586 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000149423 A2 20000530  
 REPRODUCER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 99373897 A 19961008; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373897 A 19961008  
 IPC: \* G11B-020/10; G11B-007/005  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000156037 A2 20000606  
 RECORDING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373901 A 19991228  
 IPC: \* G11B-020/10; G11B-007/0045; G11B-007/24  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000173062 A2 20000623  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 99373902 A 19960810; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373902 A 19960810  
 IPC: \* G11B-007/007; G06F-012/14; G11B-020/10

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000173063 A2 20000623  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99375208 A 19991228  
 IPC: \* G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000173179 A2 20000623  
 REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373898 A 19991228  
 IPC: \* G11B-020/10; G06F-012/14; G11B-007/005  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000215603 A2 20000804  
 RECORDING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373896 A 19991228  
 IPC: \* G11B-020/10; G11B-007/0045; G11B-019/04  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000222729 A2 20000811  
 MARKING PRODUCING DEVICE, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK  
 MANUFACTURING METHOD AND OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99257251 A 19990910  
 IPC: \* G11B-007/004; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000222739 A2 20000811  
 OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99257250 A 19990910  
 IPC: \* G11B-007/005; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000222743 A2 20000811  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99375209 A 19991228  
 IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10;  
 G11B-020/12

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000222782 A2 20000811  
 OPTICAL DISK, OPTICAL DISK RECORDER AND OPTICAL DISK REPRODUCING DEVICE  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99257246 A 19990910  
 IPC: \* G11B-007/24; G11B-007/004; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000222783 A2 20000811  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOU YOSHITOSHI; OSHIMA MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): JP 99257249 A 19990910  
 IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000228016 A2 20000815  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 99373899 A 19960810; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373899 A 19960810  
 IPC: \* G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10;  
 G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000228062 A2 20000815  
 RECORDER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO; TAKEMURA YOSHIYA  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373900 A 19991228  
 IPC: \* G11B-020/10; G06K-019/06; G06K-019/04; G11B-007/0045  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000299677 A2 20001024  
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMITTING METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200085410 A 20000324; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085410 A 20000324  
 IPC: \* H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02  
 ; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46;  
 H04N-007/24  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000312195 A2 20001107  
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, SENDING METHOD

AND RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200085407 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085407 A 19930326  
 IPC: \* H04J-011/00; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-005/46; H04N-005/78; H04N-005/7826; H04N-005/92; H04N-007/00; H04H-001/00; H04N-007/24; H04N-007/20  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000312196 A2 20001107  
 TRANSMITTER, RECEIVER AND TRANSMISSION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200085408 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085408 A 19930326  
 IPC: \* H04J-011/00; H04J-003/00; H04L-027/34; H04N-005/38; H04N-005/445; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000312197 A2 20001107  
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE, TRANSMISSION METHOD AND RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200085409 A 20000324; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085409 A 20000324  
 IPC: \* H04J-011/00; H04B-014/04; H04J-003/00; H04L-001/00; H04L-027/34; H04L-027/02; H04L-027/10; H04L-027/18; H04N-005/38; H04N-005/44; H04N-007/20; H04H-001/00  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000312198 A2 20001107  
 SENDING DEVICE, RECEPTION DEVICE, TRANSMISSION DEVICE AND TRANSMISSION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200095800 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 200095800 A 19930924  
 IPC: \* H04J-011/00; H04L-027/34; H04N-005/40; H04N-005/44; H04N-007/00; H04N-007/20  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 2000315992 A2 20001114  
 TRANSMITTER AND RECEIVER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085411 A 20000101  
 IPC: \* H04J-011/00; H04L-001/00; H04L-027/00; H04N-005/40; H04N-005/455; H04N-007/24; H04N-007/30  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2000324083 A2 20001124  
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM AND TRANSMISSION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 200095801 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510.  
 Applic (No,Kind,Date): JP 200095801 A 19930924  
 IPC: \* H04J-011/00; H04L-027/36; H04L-027/38; H04N-007/08; H04N-007/081; H04N-007/20  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001093159 A2 20010406  
 OPTICAL DISK AND OPTICAL DISK PLAYER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI; MORIYA MITSURO; KOISHI KENJI  
 Priority (No,Kind,Date): JP 2000271625 A 20000907; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000271625 A 20000907  
 IPC: \* G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001101668 A2 20010413  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 2000275439 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000275439 A 20000911  
 IPC: \* G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001101669 A2 20010413  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 2000275440 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000275440 A 20000911  
 IPC: \* G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001110062 A2 20010420  
 OPTICAL DISK AND OPTICAL DISK REPRODUCING DEVICE (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; GOTOU YOSHITOSHI; TANAKA SHINICHI;  
 MORIYA MITSURO; KOISHI KENJI  
 Priority (No,Kind,Date): JP 2000271624 A 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000271624 A 19960515  
 IPC: \* G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001160833 A2 20010612  
 RECEIVER AND RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000296301 A 20000928; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 2000296301 A 20000928  
 IPC: \* H04L-027/00; H04B-001/16; H04L-027/38; H04N-007/24  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001160838 A2 20010612  
 RECEIVER AND RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000296300 A 20000928; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 2000296300 A 20000928  
 IPC: \* H04L-027/34; H04J-003/00; H04N-005/40  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001211138 A2 20010803  
 TRANSMISSION DEVICE AND RECEPTION DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000375627 A 20001211; JP 9267934 A  
 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 2000375627 A 20001211  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44  
 ; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078;  
 G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440;  
 G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217804 A2 20010810  
 SENDER, RECEIVER, TRANSMITTER, SENDING METHOD AND RECEIVING METHOD  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383210 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383210 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40;  
 H04N-005/455; H04N-005/46; H04N-007/015; H04N-007/20  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441

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 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217805 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383257 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383257 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44  
 ; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
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 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217806 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383303 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383303 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/44;  
 H04N-007/015; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
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 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217807 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383395 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383395 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40;  
 H04N-005/455; H04N-005/46; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
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 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217808 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383425 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383425 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40;  
 H04N-005/455; H04N-005/46; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441



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 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217809 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION METHOD AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383459 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383459 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40  
 ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
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 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217810 A2 20010810  
 TRANSMITTER, RECEIVER, TRANSMISSION EQUIPMENT, TRANSMISSION DEVICE AND  
 RECEIVING METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383489 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383489 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/00; H04L-027/18; H04N-005/40  
 ; H04N-005/455; H04N-005/46; H04N-007/24; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217811 A2 20010810  
 TRANSMITTER AND RECEIVER (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000383523 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383523 A 20001218  
 IPC: \* H04J-011/00; H04L-027/34; H04L-027/18; H04N-005/40;  
 H04N-005/445; H04N-005/46; H04N-007/08; H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
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 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001217890 A2 20010810  
 RECEIVER AND RECEPTION METHOD (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 2000381901 A 20001215; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 2000381901 A 20001215  
 IPC: \* H04L-027/34; H04L-027/18; H04N-005/38; H04N-005/44  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 2001223669 A2 20010817  
 TRANSMITTER, RECEIVER, TRANSMISSION SYSTEM, TRANSMISSION METHOD AND

RECEPTION METHOD (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 2000383341 A 20001218; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
Applic (No,Kind,Date): JP 2000383341 A 20001218  
IPC: \* H04J-011/00; H04H-001/00; H04L-027/34; H04L-027/18; H04N-007/08; H04N-007/081  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2002057650 A2 20020222

RECEIVER (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 2001173882 A 20010608; JP 9267934 A 19920326; JP 92256070 A 19920925  
Applic (No,Kind,Date): JP 2001173882 A 20010608  
IPC: \* H04J-011/00; H04L-027/38; H04N-005/40; H04N-005/44; H04N-005/455; H04N-007/08; H04N-007/081; H04N-007/24  
Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441; G 02-050566  
JAPIO Reference No: \* 180486E000144  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2002074858 A2 20020315  
Priority (No,Kind,Date): JP 2001224159 A 20010725; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
Applic (No,Kind,Date): JP 2001224159 A 20010725  
IPC: \* G11B-020/12; G11B-007/004; G11B-007/0045; G11B-007/005; G11B-007/007; G11B-020/10  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2002092894 A2 20020329  
Priority (No,Kind,Date): JP 2001224158 A 20010725; JP 93335165 A 19931228; JP 9422191 A 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 94299508 A 19941202  
Applic (No,Kind,Date): JP 2001224158 A 20010725  
IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12  
Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G 01-018026  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3008651 B2 20000214  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OOSHIMA MITSUAKI  
Priority (No,Kind,Date): JP 9268935 A 19920327; JP 9162798 A1 19910327; JP 9195813 A1 19910425; JP 91155650 A1 19910529; JP 91182236 A1 19910723; JP 9260739 A1 19920317  
Applic (No,Kind,Date): JP 9268935 A 19920327  
IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20; H04N-007/24  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 3042780 B2 20000522  
Priority (No,Kind,Date): JP 99257245 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123  
Applic (No,Kind,Date): JP 99257245 A 19990910  
IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

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 Patent (No,Kind,Date): JP 3042781 B2 20000522  
 Priority (No,Kind,Date): JP 99257252 A 19990910; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257252 A 19990910  
 IPC: \* G11B-007/007; G06K-019/00; G11B-007/004; G11B-007/005; G11B-007/24; G11B-019/04; G11B-020/10; G11B-023/36; G11B-027/28  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3061053 B2 20000710  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169243 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169243 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3061054 B2 20000710  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169244 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169244 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3061055 B2 20000710  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169245 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169245 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3061056 B2 20000710  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169248 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169248 A 19990616  
 IPC: \* H04L-027/36; H04J-003/00; H04L-027/38; H04N-007/015; H04N-007/20  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3089599 B2 20000918  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257246 A 19990910  
 IPC: \* G11B-007/24; G11B-007/004; G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3089600 B2 20000918  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257249 A 19990910  
 IPC: \* G11B-007/24; G11B-007/007; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3089601 B2 20000918  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257250 A 19990910  
 IPC: \* G11B-007/005; G11B-020/10

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 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3092620 B2 20000925  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169246 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169246 A 19990616  
 IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3092621 B2 20000925  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99169247 A 19990616; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99169247 A 19990616  
 IPC: \* H04L-027/36; H04J-007/00; H04L-027/38; H04N-007/015  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3097914 B2 20001010  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257251 A 19990910  
 IPC: \* G11B-007/004; G11B-007/26; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3097916 B2 20001010  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99375208 A 19991228  
 IPC: \* G11B-007/007; G11B-007/24; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3097917 B2 20001010  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99375209 A 19991228  
 IPC: \* G11B-007/007; G11B-007/005; G11B-007/24; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3109552 B2 20001120  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 9368545 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 9368545 A 19930326  
 IPC: \* H04J-011/00; H04L-027/36; H04L-027/38; H04N-005/40; H04N-007/015; H04N-007/20; H04N-011/04  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3111776 B2 20001127  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 93261611 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 93261611 A 19930924  
 IPC: \* H04J-011/00  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3112012 B2 20001127  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289582 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289582 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3112013 B2 20001127  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289583 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289583 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3112014 B2 20001127  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289586 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289586 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/015  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3114727 B2 20001204  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289584 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289584 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3114728 B2 20001204  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OOSHIMA MITSUAKI  
 Priority (No,Kind,Date): JP 99289585 A 19991012; JP 9162798 A 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP 91182236 A 19910723; JP 9260739 A 19920317  
 Applic (No,Kind,Date): JP 99289585 A 19991012  
 IPC: \* H04L-027/36; H04L-027/38; H04N-005/44; H04N-007/24  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3143454 B2 20010307  
 Priority (No,Kind,Date): JP 2000275439 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000275439 A 20000911  
 IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3143455 B2 20010307  
 Priority (No,Kind,Date): JP 2000275440 A 20000911; JP 95261247 A 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000275440 A 20000911  
 IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3144422 B2 20010312  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373896 A 19991228  
 IPC: \* G11B-020/10; G11B-007/0045; G11B-019/04  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3144423 B2 20010312  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373901 A 19991228  
 IPC: \* G11B-020/10; G11B-007/0045  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 3147120 B2 20010319  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A

19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373898 A 19991228  
 IPC: \* G11B-020/10; G11B-007/005  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3147121 B2 20010319  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373900 A 19991228  
 IPC: \* G11B-020/10; G11B-007/0045  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154704 B2 20010409  
 Priority (No,Kind,Date): JP 200085407 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085407 A 19930326  
 IPC: \* H04J-011/00; H04L-027/02; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154705 B2 20010409  
 Priority (No,Kind,Date): JP 200085408 A 19930326; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085408 A 19930326  
 IPC: \* H04J-011/00; H04L-027/02; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154706 B2 20010409  
 Priority (No,Kind,Date): JP 200085409 A 20000324; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085409 A 20000324  
 IPC: \* H04J-011/00; H04L-027/02; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154707 B2 20010409  
 Priority (No,Kind,Date): JP 200085410 A 20000324; JP 9267934 A 19920326; JP 92256070 A 19920925  
 Applic (No,Kind,Date): JP 200085410 A 20000324  
 IPC: \* H04J-011/00; H04L-027/02; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154708 B2 20010409  
 Priority (No,Kind,Date): JP 200095800 A 19930924; JP 92256070 A 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 200095800 A 19930924  
 IPC: \* H04J-011/00; H04L-027/34; H04N-007/00  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;

19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
 94104879 A 19940418; JP 94156089 A 19940707; US 184117 A2  
 19940121; US 9709 A2 19930127  
 Applic (No,Kind,Date): US 281337 A 19940727  
 National Class: \* 369032000; 369047000; 369054000  
 IPC: \* G11B-017/22  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
 96-062972; G 98-181451; G 01-018026  
 JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
 180522P000136; 180618P000070  
 Language of Document: English  
 Patent (No,Kind,Date): US 5526328 A 19960611  
 RECORDING AND REPRODUCING APPARATUS WITH VARYING AMOUNTS OF DATA IN  
 DIFFERENT TRACKS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); SHIMIZU RYOSUKE (JP); KOUDO  
 TOSHIKAZU (JP); YOSHIURA TSUKASA (JP); MATSUURA TAKUMI (JP);  
 TANAKA MICHIO (JP); TAN SATOSHI (JP)  
 Priority (No,Kind,Date): US 184117 A 19940121; JP 9213809 A  
 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; US  
 9709 A2 19930127  
 Applic (No,Kind,Date): US 184117 A 19940121  
 National Class: \* 369013000; 369032000  
 IPC: \* G11B-011/00  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 95-116722; G 95-341616; G 96-062972; G 98-181451; G  
 01-018026  
 JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
 180522P000136; 180618P000070  
 Language of Document: English  
 Patent (No,Kind,Date): US 5555275 A 19960910  
 MULTI-THRESHOLD AND HIERARCHICAL TELEVISION SIGNAL TRANSMISSION SYSTEM  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 417269 A 19950405; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317; US 857627 B1  
 19920325  
 Applic (No,Kind,Date): US 417269 A 19950405  
 National Class: \* 375261000; 375298000; 375324000; 332103000;  
 329304000; 348724000; 348726000  
 IPC: \* H04L-005/12; H04L-023/02; H04L-027/22; H04L-027/20  
 Derwent WPI Acc No: \* G 92-325674; G 97-195354; G 00-108239; G  
 00-118426; G 00-184726; G 00-184727; G 00-184728; G 00-184729; G  
 00-184730; G 00-184731  
 JAPIO Reference No: \* 180152E000002  
 Language of Document: English  
 Patent (No,Kind,Date): US 5600672 A 19970204  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); SAKASHITA SEIJI (JP)  
 Priority (No,Kind,Date): US 240521 A 19940510; JP 9162798 A  
 19910327; JP 9195813 A 19910425; JP 91155650 A 19910529; JP  
 91182236 A 19910723; JP 9260739 A 19920317; JP 93132984 A  
 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227; JP  
 9479668 A 19940324; US 857627 A2 19920325  
 Applic (No,Kind,Date): US 240521 A 19940510  
 National Class: \* 375219000; 375270000; 375301000; 375321000

IPC: \* H04L-005/16; H04B-001/38  
Derwent WPI Acc No: \* G 92-325674; G 94-103292; G 94-311606; G  
94-342258; G 95-387959; G 97-195354; G 00-108239; G 00-118426; G  
00-184726; G 00-184727; G 00-184728; G 00-184729; G 00-184730; G  
00-184731; G 00-589072; G 00-595507; G 01-063437; G 01-063438; G  
01-063439; G 01-063440; G 01-063441  
JAPIO Reference No: \* 180152E000002  
Language of Document: English  
Patent (No,Kind,Date): US 5682360 A 19971028  
RECORDING AND REPRODUCING APPARATUS FOR USE WITH A RECORDING MEDIUM  
HAVING AN OPTICAL RECORDING LAYER AND MAGNETIC RECORDING LAYER  
(English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9213809 A 19920129; JP 9242558 A  
19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP  
92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A  
19920925  
Applic (No,Kind,Date): US 9709 A 19930127  
National Class: \* 369013000; 360059000; 360114000  
IPC: \* G11B-011/00; G11B-005/127  
Derwent WPI Acc No: \* G 93-251292; G 93-313529  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): US 5699331 A 19971216  
APPARATUS OPERATING WITH RECORDING MEDIUM ACCORDING TO POSITIONAL  
INFORMATION OF A SECRET CODE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 534771 A 19950927; JP 9213809 A  
19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
94104879 A 19940418; JP 94156089 A 19940707; US 281337 A3  
19940727; US 184117 A2 19940121; US 9709 A2 19930127  
Applic (No,Kind,Date): US 534771 A 19950927  
Addnl Info: 5473584 Patented; 5526328 Patented  
National Class: \* 369032000; 369047000; 369054000  
IPC: \* G11B-017/22  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
96-062972; G 98-181451; G 01-018026  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): US 5761301 A 19980602  
MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,  
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL  
DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
Priority (No,Kind,Date): JP 94283415 A 19941117; JP 9516153 A  
19950202; JP 95261247 A 19951009  
Applic (No,Kind,Date): US 560015 A 19951117  
National Class: \* 380004000; 369272000; 235494000  
IPC: \* H04K-001/00  
Derwent WPI Acc No: \* G 95-373939; G 96-268785; G 97-236117; G  
97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 5802241 A 19980901  
COMMUNICATION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 706376 A 19960830; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP



93132984 A 19930510; JP 93261612 A 19930924; JP 93349972 A  
 19931227; US 217895 B1 19940325; US 126589 A2 19930927; US 37108  
 A2 19930325  
 Applic (No,Kind,Date): US 706376 A 19960830  
 National Class: \* 386046000; 348723000  
 IPC: \* H04N-005/91; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G  
 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): US 5805551 A 19980908  
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
 INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): US 845794 A 19970425; JP 94104879 A  
 19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
 9515318 A 19950201; JP 9516865 A 19950203; US 423668 A3  
 19950418; US 281337 A2 19940727  
 Applic (No,Kind,Date): US 845794 A 19970425  
 Addnl Info: 5473584 19951205 Patented  
 National Class: \* 369059000; 369047000; 369048000; 369058000;  
 360048000  
 IPC: \* G11B-007/00  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
 96-268785; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): US 5807640 A 19980915  
 OPTICAL RECORDING MEDIUM, REPRODUCING SYSTEM, METHOD OF REPRODUCING  
 OPTICAL DISK, METHOD OF FABRICATING OPTICAL DISK ORIGINAL RECORD, AND  
 METHOD OF STOPPING ILLEGAL PROGRAM OPERATION (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): UENO FUMIAKI (JP); OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 93335165 A 19931228; JP 9422191 A  
 19940120; JP 94104879 A 19940418; JP 94156089 A 19940707; JP  
 94299508 A 19941202; WO 94JP2304 W 19941228  
 Applic (No,Kind,Date): US 507495 A 19950828  
 National Class: \* 428064100; 428064200; 428064400; 428913000;  
 369275100; 369284000  
 IPC: \* B32B-003/00  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): US 5819000 A 19981006  
 MAGNETIC RECORDING AND PLAYBACK APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
 19920925  
 Applic (No,Kind,Date): US 37108 A 19930325  
 National Class: \* 386046000; 348723000  
 IPC: \* H04N-005/91; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): US 5881038 A 19990309  
 METHOD AND APPARATUS FOR PREVENTING ILLEGAL COPY OR ILLEGAL  
 INSTALLATION OF INFORMATION OF OPTICAL RECORDING MEDIUM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP)  
 Priority (No,Kind,Date): US 423668 A 19950418; JP 94104879 A

19940418; JP 94283415 A 19941117; JP 94327963 A 19941228; JP  
 9515318 A 19950201; JP 9516865 A 19950203; US 281337 A2  
 19940727  
 Applic (No,Kind,Date): US 423668 A 19950418  
 National Class: \* 369059000; 369084000; 369058000; 369054000;  
 369047000  
 IPC: \* G11B-007/00  
 Derwent WPI Acc No: \* G 95-116722; G 95-246541; G 95-373939; G  
 96-268785; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): US 5892879 A 19990406  
 COMMUNICATION SYSTEM FOR PLURAL DATA STREAMS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 126589 A 19930927; JP 9267934 A  
 19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; JP  
 93132984 A 19930510; US 37108 A2 19930325  
 Applic (No,Kind,Date): US 126589 A 19930927  
 National Class: \* 386046000; 348726000  
 IPC: \* H04N-005/91; H04N-005/38  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G  
 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): US 5959948 A 19990928  
 RECORDING AND REPRODUCING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 970162 A 19971113; JP 9213809 A  
 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
 9392219 A 19930325; JP 93107423 A 19930409; JP 93205682 A  
 19930727; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
 93349972 A 19931227; JP 94104879 A 19940418; JP 94156089 A  
 19940707; US 534771 A1 19950927; US 281337 A3 19940727; US 184117  
 A2 19940121; US 9709 A2 19930127  
 Applic (No,Kind,Date): US 970162 A 19971113  
 Addnl Info: 5699331 Patented; 5473584 Patented; 5526328 Patented  
 National Class: \* 369032000; 369047000; 369054000  
 IPC: \* G11B-017/22  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 94-342258; G 95-116722; G 95-246541; G 95-341616; G  
 95-373939; G 96-062972; G 98-181451; G 01-018026  
 JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
 180522P000136; 180618P000070  
 Language of Document: English  
 Patent (No,Kind,Date): US 5999569 A 19991207  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 61979 A 19980417; JP 9267934 A  
 19920326; JP 92256070 A 19920925; US 37108 A3 19930325  
 Applic (No,Kind,Date): US 61979 A 19980417  
 Addnl Info: 5819000 Patented  
 National Class: \* 375265000; 348608000; 348607000; 348726000  
 IPC: \* H04L-027/28; H04L-005/12; H04L-023/02  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): US 6049651 A 20000411

COMMUNICATION SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP)

Priority (No,Kind,Date): US 64147 A 19980422; JP 9267934 A  
19920326; JP 92256070 A 19920925; JP 9366461 A 19930325; US  
126589 A3 19930927; US 37108 A1 19930325

Applic (No,Kind,Date): US 64147 A 19980422

Addnl Info: 5892879 Patented; 5819000 Patented

National Class: \* 386046000; 386123000; 348726000

IPC: \* H04N-005/91; H04N-007/015; H04N-005/38

Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G  
01-063439; G 01-063440; G 01-063441; G 02-050566

JAPIO Reference No: \* 180486E000144

Language of Document: English

Patent (No,Kind,Date): US 6052465 A 20000418

OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123

Applic (No,Kind,Date): US 649411 A 19960516

National Class: \* 380004000

IPC: \* H04L-009/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6081785 A 20000627

OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION  
SYSTEM AND PROGRAM LICENSE SYSTEM (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)

Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
19960123; JP 96211304 A 19960809; WO 96JP2924 W 19961008

Applic (No,Kind,Date): US 849468 A 19970609

National Class: \* 705001000; 380201000; 369272000

IPC: \* H04K-001/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6122373 A 20000919

OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)

Priority (No,Kind,Date): US 404506 A 19990923; JP 95261247 A  
19951009; JP 968910 A 19960123; US 649411 A3 19960516

Applic (No,Kind,Date): US 404506 A 19990923

National Class: \* 380004000

IPC: \* H04L-009/00

Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English

Patent (No,Kind,Date): US 6125181 A 20000926

OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)

Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA

SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 404639 A 19990923; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
 Applic (No,Kind,Date): US 404639 A 19990923  
 National Class: \* 380002000  
 IPC: \* H04K-001/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6128388 A 20001003  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 401114 A 19990922; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
 Applic (No,Kind,Date): US 401114 A 19990922  
 National Class: \* 380059000  
 IPC: \* H04L-009/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6141419 A 20001031  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441338 A 19991116; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 441338 A 19991116  
 National Class: \* 380004000  
 IPC: \* H04L-009/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6144742 A 20001107  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 401669 A 19990922; US 649411 A3  
 19960516  
 Applic (No,Kind,Date): US 401669 A 19990922  
 Addnl Info: 6052465 Patented  
 National Class: \* 380004000  
 IPC: \* H04L-009/00  
 Language of Document: English  
 Patent (No,Kind,Date): US 6160888 A 20001212  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441337 A 19991116; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 441337 A 19991116  
 National Class: \* 380203000; 380201000; 713193000; 705051000;  
 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119

Language of Document: English  
Patent (No,Kind,Date): US 20010013023 AA 20010809  
RECORDABLE OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): US 450438 A 19991130; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 849468 A1 19970609  
Applic (No,Kind,Date): US 450438 A 19991130  
Addnl Info: 6081785 Patented  
National Class: \* 705057000; 369084000; 369272000  
IPC: \* G06F-017/60; G11B-007/26; G11B-007/28  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 20010021144 AA 20010913  
OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)  
Priority (No,Kind,Date): US 833995 A 20010412; JP 96339304 A 19961219; JP 979318 A 19970122; JP 97259110 A 19970924; US 308550 A3 19990520  
Applic (No,Kind,Date): US 833995 A 20010412  
Addnl Info: 6266299 Patented  
National Class: \* 369013000; 369059180  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* G 98-363034  
Language of Document: English  
Patent (No,Kind,Date): US 20010038578 AA 20011108  
MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT INFORMATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): US 796534 A 20010302; JP 93205682 A 19930727; JP 94104879 A 19940418; JP 94156089 A 19940707; JP 9213809 A 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP 9392219 A 19930325; JP 93107423 A 19930409; JP 93297504 A 19931102; JP 93314114 A 19931119; US 305318 A3 19990505; US 970162 A3 19971113; US 534771 A1 19950927; US 281337 A3 19940727; US 184117 A2 19940121; US 9709 A2 19930127  
Applic (No,Kind,Date): US 796534 A 20010302  
Addnl Info: 6243330 Patented; 5959948 Patented; 5699331 Patented; 5473584 Patented; 5526328 Patented; 5682360 Patented  
National Class: \* 369013000; 369053210; 369047110; 369053290  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451; G 01-018026  
JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063; 180522P000136; 180618P000070  
Language of Document: English  
Patent (No,Kind,Date): US 20010055132 AA 20011227  
OPTICAL DISK RECORDABLE USING BOTH A CIPHER KEY AND DISK IDENTIFICATION INFORMATION FOR ENCRYPTION (English)  
Patent Assignee: OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA

SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): US 450416 A 19991130; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 849468 A1 19970609  
Applic (No,Kind,Date): US 450416 A 19991130  
Addnl Info: 6081785 Patented  
National Class: \* 359109000; 713189000  
IPC: \* G02F-001/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 20020046177 AA 20020418  
A RECORDABLE OPTICAL DISK INCLUDING AN AUXILIARY INFORMATION PRESENCE INDICATOR (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): US 917877 A 20010731; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 450416 A1 19991130  
Applic (No,Kind,Date): US 917877 A 20010731  
National Class: \* 705051000  
IPC: \* G06F-017/60  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 20020049678 AA 20020425  
METHOD AND APPARATUS FOR ENCRYPTING AND RECORDING RECEIVED CONTENT INFORMATION ON A RECORDING MEDIUM USING BOTH MEDIUM IDENTIFICATION INFORMATION AND A CIPHER KEY FOR ENCRYPTION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): US 964378 A 20010928; JP 95261247 A 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US 886130 A1 20010622; US 475228 A1 19991230; US 849468 A1 19970609  
Applic (No,Kind,Date): US 964378 A 20010928  
National Class: \* 705051000; 369053210; 369275300  
IPC: \* H04K-001/00; G11B-011/03; G11B-015/04  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 20020070282 AA 20020613  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP)  
Priority (No,Kind,Date): US 67171 A 20020204; JP 95261247 A 19951009; JP 968910 A 19960123; US 595139 A1 20000615; US 441338 A1 19991116  
Applic (No,Kind,Date): US 67171 A 20020204  
National Class: \* 235494000  
IPC: \* G06K-019/06  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 20020073038 AA 20020613  
RECORDING MEDIUM, RECORDER, REPRODUCER, CRYPTOCOMMUNICATION SYSTEM AND PROGRAM LICENSE SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
Priority (No,Kind,Date): US 475228 A 19991230; JP 95261247 A

19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 441021 A 19991116  
 National Class: \* 380203000; 380201000; 713193000; 705051000;  
 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6229896 BA 20010508  
 OPTICAL DISK, AN OPTICAL BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 440782 A 19991116; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 440782 A 19991116  
 National Class: \* 380203000; 380201000; 713193000; 705051000;  
 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6243330 BA 20010605  
 RECORDING MEDIUM, APPARATUS, AND METHOD RELATED TO ENCRYPTION RESULTANT.  
 INFORMATION (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 305318 A 19990505; JP 9213809 A  
 19920129; JP 9242558 A 19920228; JP 9250328 A 19920309; JP  
 9268031 A 19920326; JP 92111176 A 19920430; JP 92194450 A  
 19920722; JP 92280874 A 19920925; JP 938596 A 19930121; JP  
 93205682 A 19930727; JP 9392219 A 19930325; JP 93107423 A  
 19930409; JP 93297504 A 19931102; JP 93314114 A 19931119; JP  
 94104879 A 19940418; JP 94156089 A 19940707; US 970162 A3  
 19971113; US 534771 A1 19950927; US 281337 A3 19940727; US 184117  
 A2 19940121; US 9709 A2 19930127  
 Applic (No,Kind,Date): US 305318 A 19990505  
 Addnl Info: 5959948 Patented; 5699331 Patented; 5473584 Patented;  
 5526328 Patented; 5682360 Patented  
 National Class: \* 369032000; 369047100; 369053110  
 IPC: \* G11B-017/22  
 Derwent WPI Acc No: \* C 94-236841; G 93-251292; G 93-313529; G  
 94-242360; G 95-116722; G 95-246541; G 95-341616; G 95-373939; G  
 96-062972; G 98-181451; G 01-018026  
 JAPIO Reference No: \* 180014P000119; 180121P000165; 180264P000063;  
 180522P000136; 180618P000070  
 Language of Document: English  
 Patent (No,Kind,Date): US 6256357 BA 20010703  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 379746 A 19990824; JP 9267934 A  
 19920326; JP 92256070 A 19920925; US 61979 A3 19980417; US 37108  
 A3 19930325  
 Applic (No,Kind,Date): US 379746 A 19990824  
 Addnl Info: 5999569 Patented; 5819000 Patented  
 National Class: \* 375261000; 375280000; 375298000; 375308000;  
 375324000; 375332000; 348433000; 348555000; 348726000; 329304000;  
 332103000  
 IPC: \* H04N-005/46  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 00-580985; G  
 00-580986; G 00-580987; G 00-580988; G 00-589072; G 00-589073; G  
 00-589074; G 00-589075; G 00-589076; G 00-589077; G 00-589078; G  
 00-595507; G 01-063437; G 01-063438; G 01-063439; G 01-063440; G  
 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English

Patent (No,Kind,Date): US 6266299 BA 20010724  
 MAGNETO-OPTICAL DISK HAVING WRITE-ONCE IDENTIFICATION MARKS AND METHOD  
 FOR RECORDING THEREOF (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP);  
 TANAKA SHIN-ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP);  
 GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP);  
 MURAKAMI MOTOYOSHI (JP)  
 Priority (No,Kind,Date): JP 96339304 A 19961219; JP 979318 A  
 19970122; JP 97259110 A 19970924; WO 97JP4664 W 19971217  
 Applic (No,Kind,Date): US 308550 A 19990520  
 National Class: \* 369013000  
 IPC: \* G11B-011/00  
 Derwent WPI Acc No: \* G 98-363034  
 Language of Document: English  
 Patent (No,Kind,Date): US 6278671 BA 20010821  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 679580 A 20001004; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411  
 A1 19960516  
 Applic (No,Kind,Date): US 679580 A 20001004  
 Addnl Info: 6052465 20000418 Patented  
 National Class: \* 369047190; 369047210; 369053410; 369059230;  
 369275300  
 IPC: \* G11B-007/007  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6285762 BA 20010904  
 OPTICAL DISK, OPTICAL DISK BARCODE FORMING METHOD, OPTICAL DISK  
 REPRODUCTION APPARATUS, MARKING FORMING APPARATUS, METHOD OF FORMING  
 A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF MANUFACTURING AN  
 OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 401935 A 19990923; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A3 19960516  
 Applic (No,Kind,Date): US 401935 A 19990923  
 Addnl Info: 6052465 Patented  
 National Class: \* 380203000; 380201000; 713193000; 705051000;  
 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6285763 BA 20010904  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441281 A 19991116; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 441281 A 19991116  
 National Class: \* 380203000; 380201000; 705051000; 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6285764 BA 20010904  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF



FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 679233 A 20001004; JP 95261247 A  
19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411  
A1 19960516  
Applic (No,Kind,Date): US 679233 A 20001004  
Addnl Info: 6052465 20000418 Patented  
National Class: \* 380203000; 380201000; 713193000  
IPC: \* H04N-007/167  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6298138 BA 20011002  
OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
MANUFACTURING AN OPTICAL DISK (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
Priority (No,Kind,Date): US 679505 A 20001004; JP 95261247 A  
19951009; JP 968910 A 19960123; US 441281 A1 19991116; US 649411  
A1 19960516  
Applic (No,Kind,Date): US 679505 A 20001004  
Addnl Info: 6052465 Patented  
National Class: \* 380203000; 380201000; 713193000  
IPC: \* H04N-007/167  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6301569 BA 20011009  
OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCER, CRYPTOCOMMUNICATION  
SYSTEM AND PROGRAM LICENSE SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIRO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): US 450437 A 19991130; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US  
849468 A1 19970609  
Applic (No,Kind,Date): US 450437 A 19991130  
National Class: \* 705057000; 369047000; 369084000; 369272000  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6343282 BA 20020129  
OPTICAL DISK READING DEVICE USING BOTH A DECIPHER KEY AND DISK  
IDENTIFICATION INFORMATION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
YOSHINARI (JP)  
Priority (No,Kind,Date): US 450413 A 19991130; JP 95261247 A  
19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US  
849468 A1 19970609  
Applic (No,Kind,Date): US 450413 A 19991130  
Addnl Info: 6081785 Patented  
National Class: \* 705057000  
IPC: \* G06F-017/60  
Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
Language of Document: English  
Patent (No,Kind,Date): US 6408285 BA 20020618  
OPTICAL DISK READING DEVICE USING BOTH A DECIPHER KEY AND DISK  
IDENTIFICATION INFORMATION FOR DECRYPTION (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHINO (JP); TANAKA  
SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA

YOSHINARI (JP)  
 Priority (No,Kind,Date): US 450452 A 19991130; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US  
 849468 A1 19970609  
 Applic (No,Kind,Date): US 450452 A 19991130  
 Addnl Info: 6081785 Patented  
 National Class: \* 705057000  
 IPC: \* G06F-017/60  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6381588 BB 20020430  
 OPTICAL DISK RECORDABLE USING BOTH A CIPHER KEY AND DISK IDENTIFICATION  
 INFORMATION FOR ENCRYPTION (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA  
 YOSHINARI (JP)  
 Priority (No,Kind,Date): US 450416 A 19991130; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809; US  
 849468 A1 19970609  
 Applic (No,Kind,Date): US 450416 A 19991130  
 National Class: \* 705059000  
 IPC: \* G06F-017/60  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 95507495	A	19950828	US REFW	CORRESPONDS TO PCT
			APPLICATION	(ENTSPRICHT PCT ANMELDUNG)
			WO 9518443	P
US 97849468	A	19970609	US REFW	CORRESPONDS TO PCT
			APPLICATION	(ENTSPRICHT PCT ANMELDUNG)
			WO 9714144	P
US 5473584	P	19920129	US AA	PRIORITY (PATENT)
			JP 9213809	A 19920129
US 5473584	P	19920228	US AA	PRIORITY (PATENT)
			JP 9242558	A 19920228
US 5473584	P	19920309	US AA	PRIORITY (PATENT)
			JP 9250328	A 19920309
US 5473584	P	19920326	US AA	PRIORITY (PATENT)
			JP 9268031	A 19920326
US 5473584	P	19920430	US AA	PRIORITY (PATENT)
			JP 92111176	A 19920430
US 5473584	P	19920722	US AA	PRIORITY (PATENT)
			JP 92194450	A 19920722
US 5473584	P	19920925	US AA	PRIORITY (PATENT)
			JP 92280874	A 19920925
US 5473584	P	19930121	US AA	PRIORITY (PATENT)
			JP 938596	A 19930121
US 5473584	P	19930127	US AA	PRIORITY
			US 9709 A2	19930127
US 5473584	P	19930325	US AA	PRIORITY (PATENT)
			JP 9392219	A 19930325
US 5473584	P	19930409	US AA	PRIORITY (PATENT)
			JP 93107423	A 19930409
US 5473584	P	19930727	US AA	PRIORITY (PATENT)
			JP 93205682	A 19930727
US 5473584	P	19931102	US AA	PRIORITY (PATENT)
			JP 93297504	A 19931102
US 5473584	P	19931119	US AA	PRIORITY (PATENT)
			JP 93314114	A 19931119
US 5473584	P	19940121	US AA	PRIORITY
			US 184117 A2	19940121
US 5473584	P	19940418	US AA	PRIORITY (PATENT)
			JP 94104879	A 19940418
US 5473584	P	19940707	US AA	PRIORITY (PATENT)
			JP 94156089	A 19940707

US 5473584	P	19940727	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))
			US 281337 A	19940727
US 5473584	P	19941207	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA KADOMA-SHI, OSAKA, JA ; OSHIMA, MITSUAKI : 19940906
US 5473584	P	19951205	US A	PATENT
US 5526328	P	19920129	US AA	PRIORITY (PATENT)
			JP 9213809 A	19920129
US 5526328	P	19920228	US AA	PRIORITY (PATENT)
			JP 9242558 A	19920228
US 5526328	P	19920309	US AA	PRIORITY (PATENT)
			JP 9250328 A	19920309
US 5526328	P	19920326	US AA	PRIORITY (PATENT)
			JP 9268031 A	19920326
US 5526328	P	19920430	US AA	PRIORITY (PATENT)
			JP 92111176 A	19920430
US 5526328	P	19920722	US AA	PRIORITY (PATENT)
			JP 92194450 A	19920722
US 5526328	P	19920925	US AA	PRIORITY (PATENT)
			JP 92280874 A	19920925
US 5526328	P	19930121	US AA	PRIORITY (PATENT)
			JP 938596 A	19930121
US 5526328	P	19930127	US AA	PRIORITY
			US 9709 A2	19930127
US 5526328	P	19930325	US AA	PRIORITY (PATENT)
			JP 9392219 A	19930325
US 5526328	P	19930409	US AA	PRIORITY (PATENT)
			JP 93107423 A	19930409
US 5526328	P	19930727	US AA	PRIORITY (PATENT)
			JP 93205682 A	19930727
US 5526328	P	19931102	US AA	PRIORITY (PATENT)
			JP 93297504 A	19931102
US 5526328	P	19931119	US AA	PRIORITY (PATENT)
			JP 93314114 A	19931119
US 5526328	P	19940121	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))
			US 184117 A	19940121
US 5526328	P	19940822	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST MITSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE : 19940317; KOUDO, TOSHIKAZU : 19940317; YOSHIURA, TSUKASA : 19940317; MAT : 19940317;
US 5526328	P	19950516	US AS28	CORRECTED ASSIGNMENT MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. KADOMA-SHI 1006, OAZA KADOMA OSAKA, JAP ; OSHIMA, MITSUAKI : 19940317; SHIMIZU, RYOSUKE : 19940317; KOUDO, TOSHIKAZU : 19940317; YOSHIURA, TSUKASA : 19940317; MAT : 19940317;
US 5526328	P	19960611	US A	PATENT
US 5555275	P	19910327	US AA	PRIORITY (PATENT)
			JP 9162798 A	19910327
US 5555275	P	19910425	US AA	PRIORITY (PATENT)
			JP 9195813 A	19910425
US 5555275	P	19910529	US AA	PRIORITY (PATENT)
			JP 91155650 A	19910529
US 5555275	P	19910723	US AA	PRIORITY (PATENT)
			JP 91182236 A	19910723
US 5555275	P	19920317	US AA	PRIORITY (PATENT)
			JP 9260739 A	19920317
US 5555275	P	19920325	US AA	PRIORITY
			US 857627 B1	19920325
US 5555275	P	19950405	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))

US 5805551	P	19970425	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
		US 845794	A	19970425
US 5805551	P	19980908	US A	PATENT
US 5807640	P	19931228	US AA	PRIORITY (PATENT)
		JP 93335165	A	19931228
US 5807640	P	19940120	US AA	PRIORITY (PATENT)
		JP 9422191	A	19940120
US 5807640	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5807640	P	19940707	US AA	PRIORITY (PATENT)
		JP 94156089	A	19940707
US 5807640	P	19941202	US AA	PRIORITY (PATENT)
		JP 94299508	A	19941202
US 5807640	P	19941228	US AA	PCT-APPLICATION (PCT-APPL.)
		WO 94JP2304	W	19941228
US 5807640	P	19950828	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
		US 507495	A	19950828
US 5807640	P	19950828	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006	
			OAZA KADOMA, KADOMA-SHI OSAKA 571, ; UENO,	
			FUMIAKI : 19950801; OSHIMA, MITSUAKI :	
			19950801	
US 5807640	P	19980915	US A	PATENT
US 5807640	P	20010731	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
		20000915		
US 5819000	P	19920326	US AA	PRIORITY (PATENT)
		JP 9267934	A	19920326
US 5819000	P	19920925	US AA	PRIORITY (PATENT)
		JP 92256070	A	19920925
US 5819000	P	19930325	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
		US 37108	A	19930325
US 5819000	P	19930608	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.	
			1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;	
			OSHIMA, MITSUAKI : 19930413	
US 5819000	P	19981006	US A	PATENT
US 5819000	P	19990914	US CC	CERTIFICATE OF CORRECTION
US 5881038	P	19940418	US AA	PRIORITY (PATENT)
		JP 94104879	A	19940418
US 5881038	P	19940727	US AA	PRIORITY
		US 281337	A2	19940727
US 5881038	P	19941117	US AA	PRIORITY (PATENT)
		JP 94283415	A	19941117
US 5881038	P	19941228	US AA	PRIORITY (PATENT)
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US 5881038	P	19950201	US AA	PRIORITY (PATENT)
		JP 9515318	A	19950201
US 5881038	P	19950203	US AA	PRIORITY (PATENT)
		JP 9516865	A	19950203
US 5881038	P	19950418	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
		US 423668	A	19950418
US 5881038	P	19951004	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006	
			OAZA KADOMA KADOMA-SHI, OSAKA 571, ; OSHIMA,	
			MITSUAKI : 19950412; GOTOH, YOSHIHO :	
			19950412	
US 5881038	P	19990309	US A	PATENT
US 5881038	P	20000125	US CC	CERTIFICATE OF CORRECTION
US 5892879	P	19920326	US AA	PRIORITY (PATENT)

		JP 9267934	A	19920326	
US 5892879	P	19920925	US AA	PRIORITY (PATENT)	
		JP 92256070	A	19920925	
US 5892879	P	19930325	US AA	PRIORITY (PATENT)	
		JP 9366461	A	19930325	
US 5892879	P	19930325	US AA	PRIORITY	
		US 37108	A2	19930325	
US 5892879	P	19930510	US AA	PRIORITY (PATENT)	
		JP 93132984	A	19930510	
US 5892879	P	19930927	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 126589	A	19930927	
US 5892879	P	19940106	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST	
		MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.			
		1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ;			
		OSHIMA, MITSUAKI : 19931013			
US 5892879	P	19990406	US A	PATENT	
US 5959948	P	19920129	US AA	PRIORITY (PATENT)	
		JP 9213809	A	19920129	
US 5959948	P	19920228	US AA	PRIORITY (PATENT)	
		JP 9242558	A	19920228	
US 5959948	P	19920309	US AA	PRIORITY (PATENT)	
		JP 9250328	A	19920309	
US 5959948	P	19920326	US AA	PRIORITY (PATENT)	
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US 5959948	P	19920722	US AA	PRIORITY (PATENT)	
		JP 92194450	A	19920722	
US 5959948	P	19920925	US AA	PRIORITY (PATENT)	
		JP 92280874	A	19920925	
US 5959948	P	19930121	US AA	PRIORITY (PATENT)	
		JP 938596	A	19930121	
US 5959948	P	19930127	US AA	PRIORITY	
		US 9709	A2	19930127	
US 5959948	P	19930325	US AA	PRIORITY (PATENT)	
		JP 9392219	A	19930325	
US 5959948	P	19930409	US AA	PRIORITY (PATENT)	
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US 5959948	P	19930727	US AA	PRIORITY (PATENT)	
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US 5959948	P	19931102	US AA	PRIORITY (PATENT)	
		JP 93297504	A	19931102	
US 5959948	P	19931119	US AA	PRIORITY (PATENT)	
		JP 93314114	A	19931119	
US 5959948	P	19931227	US AA	PRIORITY (PATENT)	
		JP 93349972	A	19931227	
US 5959948	P	19940121	US AA	PRIORITY	
		US 184117	A2	19940121	
US 5959948	P	19940418	US AA	PRIORITY (PATENT)	
		JP 94104879	A	19940418	
US 5959948	P	19940707	US AA	PRIORITY (PATENT)	
		JP 94156089	A	19940707	
US 5959948	P	19940727	US AA	PRIORITY	
		US 281337	A3	19940727	
US 5959948	P	19950927	US AA	PRIORITY	
		US 534771	A1	19950927	
US 5959948	P	19971113	US AE	APPLICATION DATA (PATENT)	
		(APPL. DATA (PATENT))			
		US 970162	A	19971113	
US 5959948	P	19990928	US A	PATENT	
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US 6049651	P	19920326	US AA PRIORITY (PATENT)	
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US 6049651	P	19920925	US AA PRIORITY (PATENT)	
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US 6049651	P	19930325	US AA PRIORITY (PATENT)	
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US 6049651	P	19930325	US AA PRIORITY	
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US 6049651	P	19930927	US AA PRIORITY	
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US 6049651	P	19980422	US AE APPLICATION DATA (PATENT)	
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US 6049651	P	20000411	US A PATENT	
US 6049651	P	20010403	US CC CERTIFICATE OF CORRECTION	
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US 6052465	P	19960123	US AA PRIORITY (PATENT)	
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US 6052465	P	19960516	US AE APPLICATION DATA (PATENT)	
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US 6081785	P	20000627	US A PATENT	
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US 6122373	P	19990923	US AE APPLICATION DATA (PATENT)	
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US 6125181	P	19960516	US AA PRIORITY	
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US 6125181	P	19990923	US AE APPLICATION DATA (PATENT)	
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US 6125181	P	20000926	US A PATENT	
US 6128388	P	19951009	US AA PRIORITY (PATENT)	
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US 6128388	P	19960123	US AA PRIORITY (PATENT)	
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US 6128388	P	19990922	US AE APPLICATION DATA (PATENT)	

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US 6128388	P	20001003	US A	PATENT
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US 6141419	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6141419	P	19960123	US AA	PRIORITY (PATENT)
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US 6160888	P	19951009	US AA	PRIORITY (PATENT)
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US 6160888	P	19960123	US AA	PRIORITY (PATENT)
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US 6160888	P	19960516	US AA	PRIORITY
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US 6175629	P	19951009	US AA	PRIORITY (PATENT)
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US 6175629	P	19960123	US AA	PRIORITY (PATENT)
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US 6175629	P	19960516	US AA	PRIORITY
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US 6175629	P	20010116	US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6208736	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6208736	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6208736	P	19960516	US AA	PRIORITY (CONTINUATION)
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		US 441021	A	19991116
US 6208736	P	20010327	US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6229896	P	19951009	US AA	PRIORITY (PATENT)
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US 6229896	P	19960123	US AA	PRIORITY (PATENT)
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		US 440782	A	19991116
US 6229896	P	20010508	US BA	PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6243330	P	19920129	US AA	PRIORITY (PATENT)
		JP 9213809	A	19920129
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US 5600672	P	19910425	US AA		PRIORITY (PATENT)
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US 5600672	P	19920325	US AA		PRIORITY
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			US 240521	A	19940510
US 5600672	P	19961010	US AS02		ASSIGNMENT OF ASSIGNOR'S
			INTEREST		
			MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.		
			1006, KADOMA OSAKA, JAPAN 571 ; OSHIMA,		
			MITSUAKI : 19960910; SAKASHITA, SEIJI :		
			19960910		
US 5600672	P	19970204	US A		PATENT
US 5600672	P	19990420	US RF		REISSUE APPLICATION FILED
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			19990204		
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		JP 9516153	A	19950202
US 5761301	P	19951009	US AA	PRIORITY (PATENT)
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US 5761301	P	19951117	US AE	APPLICATION DATA (PATENT)
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		US 560015	A	19951117
US 5761301	P	19960410	US AS02	ASSIGNMENT OF ASSIGNOR'S
		INTEREST		
		MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD. 1006,		
		OAZA KADOMA, KADOMA-SHI OSAKA, JAP ; OSHIMA,		
		MITSUAKI : 19960220; GOTOH, YOSHIHO :		
		19960220		
US 5761301	P	19980602	US A	PATENT
US 5761301	P	20000801	US RF	REISSUE APPLICATION FILED (
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US 5802241	P	19920925	US AA	PRIORITY (PATENT)
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US 5802241	P	19930325	US AA	PRIORITY (PATENT)
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US 5802241	P	19930325	US AA	PRIORITY
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US 5802241	P	19930510	US AA	PRIORITY (PATENT)
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US 5802241	P	19930924	US AA	PRIORITY (PATENT)
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		(REISSUE APPL. FILED)		
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		US 281337	A2	19940727
US 5805551	P	19941117	US AA	PRIORITY (PATENT)
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US 5682360	P	19930127	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 9709 A 19930127
US 5682360	P	19930302	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. 1006, OAZA KADOMA, KADOMA-SHI OSAKA, JA ; OSHIMA, MITSUAKI : 19930122
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US 5699331	P	19950927	US AE	APPLICATION DATA (PATENT) (APPL. DATA (PATENT)) US 534771 A 19950927
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 849468 A1 19970609  
 Applic (No,Kind,Date): US 475228 A 19991230  
 National Class: \* 705057000  
 IPC: \* G06F-017/60  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 20020080285 AA 20020627  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: OSHIMA MITSUAKI (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 741336 A 20001221; JP 9267934 A  
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 ; US 37108 A2 19930325  
 Applic (No,Kind,Date): US 741336 A 20001221  
 National Class: \* 348724000; 348726000  
 IPC: \* H04N-007/52; H04N-005/455  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076; G  
 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438; G  
 01-063439; G 01-063440; G 01-063441; G 02-050566  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: English  
 Patent (No,Kind,Date): US 20020080961 AA 20020627  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 81944 A 20020220; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 713183 A3 20001115; US 441281  
 A1 19991116; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 81944 A 20020220  
 Addnl Info: 6285763 Patented; 6052465 Patented  
 National Class: \* 380201000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6175629 BA 20010116  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441357 A 19991116; JP 95261247 A  
 19951009; JP 968910 A 19960123; US 649411 A1 19960516  
 Applic (No,Kind,Date): US 441357 A 19991116  
 National Class: \* 380203000; 380201000; 713193000; 705051000;  
 705057000  
 IPC: \* H04N-007/167  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English  
 Patent (No,Kind,Date): US 6208736 BA 20010327  
 OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AN OPTICAL DISK  
 REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (US)  
 Author (Inventor): GOTOH YOSHIHO (JP); OSHIMA MITSUAKI (JP); TANAKA  
 SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSURO (JP)  
 Priority (No,Kind,Date): US 441021 A 19991116; JP 95261247 A

G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3154709 B2 20010409  
 Priority (No,Kind,Date): JP 200095801 A 19930924; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 200095801 A 19930924  
 IPC: \* H04J-011/00; H04L-027/34; H04N-007/08  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3175740 B2 20010611  
 Priority (No,Kind,Date): JP 99373897 A 19961008; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373897 A 19961008  
 IPC: \* G11B-020/10; G11B-007/005  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3209221 B2 20010917  
 Priority (No,Kind,Date): JP 99373899 A 19960810; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373899 A 19960810  
 IPC: \* G11B-007/007; G06F-012/14; G11B-019/04; G11B-020/10;  
 G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3209222 B2 20010917  
 Priority (No,Kind,Date): JP 99373902 A 19960810; JP 95261247 A  
 19951009; JP 968910 A 19960123; JP 96211304 A 19960809  
 Applic (No,Kind,Date): JP 99373902 A 19960810  
 IPC: \* G11B-007/007; G06F-012/14; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3225035 B2 20011105  
 Priority (No,Kind,Date): JP 2000271624 A 19960515; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000271624 A 19960515  
 IPC: \* G11B-007/007; G11B-007/004; G11B-007/24; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3225036 B2 20011105  
 Priority (No,Kind,Date): JP 2000271625 A 20000907; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 2000271625 A 20000907  
 IPC: \* G11B-007/007; G11B-007/004; G11B-020/10; G11B-020/12  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3231035 B2 20011119  
 Priority (No,Kind,Date): JP 2000383257 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383257 A 20001218  
 IPC: \* H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08;  
 H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3231036 B2 20011119  
 Priority (No,Kind,Date): JP 2000383303 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510

Applic (No,Kind,Date): JP 2000383303 A 20001218  
 IPC: \* H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08;  
 H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3233625 B2 20011126  
 Priority (No,Kind,Date): JP 2000383210 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383210 A 20001218  
 IPC: \* H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08;  
 H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3233626 B2 20011126  
 Priority (No,Kind,Date): JP 2000383341 A 20001218; JP 92256070 A  
 19920925; JP 9366461 A 19930325; JP 93132984 A 19930510  
 Applic (No,Kind,Date): JP 2000383341 A 20001218  
 IPC: \* H04J-011/00; H04N-005/38; H04N-005/44; H04N-007/08;  
 H04N-007/081  
 Derwent WPI Acc No: \* G 93-305235; G 94-103292; G 94-311606; G  
 94-342258; G 00-580985; G 00-580986; G 00-580987; G 00-580988; G  
 00-589072; G 00-589073; G 00-589074; G 00-589075; G 00-589076;  
 G 00-589077; G 00-589078; G 00-595507; G 01-063437; G 01-063438;  
 G 01-063439; G 01-063440; G 01-063441  
 JAPIO Reference No: \* 180486E000144  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3246731 B2 20020115  
 Priority (No,Kind,Date): JP 99257248 A 19990910; JP 95261247 A  
 19951009; JP 968910 A 19960123  
 Applic (No,Kind,Date): JP 99257248 A 19990910  
 IPC: \* G11B-007/085; G11B-007/004; G11B-007/007; G11B-007/24;  
 G11B-019/04; G11B-020/10  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3248807 B2 20020121  
 Priority (No,Kind,Date): JP 9479432 A 19940325; JP 9366461 A  
 19930325; JP 93132984 A 19930510; JP 93261612 A 19930924; JP  
 93349972 A 19931227  
 Applic (No,Kind,Date): JP 9479432 A 19940325  
 IPC: \* H04J-011/00; H04N-007/015; H04N-007/20  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258; G  
 00-589072; G 00-595507; G 01-063437; G 01-063438; G 01-063439; G  
 01-063440; G 01-063441  
 Language of Document: Japanese

# KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 161051 B1 19990115  
 COMMUNICATION SYSTEM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): MITSUAKI OSHIMA (JP)  
 Priority (No,Kind,Date): JP 9366461 A 19930325; JP 93132984 A  
 19930510; JP 93261612 A 19930924; JP 93349972 A 19931227  
 Applic (No,Kind,Date): KR 946012 A 19940325  
 IPC: \* H04N-007/12  
 Derwent WPI Acc No: \* G 94-103292; G 94-311606; G 94-342258  
 Language of Document: Korean  
 Patent (No,Kind,Date): KR 195398 B1 19990615  
 RECORDING/REPRODUCING APPARATUS AND MEDIUM AND PRODUCTION METHOD

19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): SG 9502048 A 19940119  
 IPC: \* G11B-013/04; G11B-020/10; G11B-019/28; G11B-020/18; G11B-021/02  
 ; G11B-023/00  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 95-116722; G 95-341616; G 96-062972; G 98-181451  
 Language of Document: English  
 Patent (No,Kind,Date): SG 7100102 A1 20000321  
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): SG 9800735 A 19940119  
 IPC: \* G11B-019/02; G11B-007/007  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 95-116722; G 95-341616; G 96-062972; G 98-181451  
 Language of Document: English  
 Patent (No,Kind,Date): SG 7100103 A1 20000321  
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): OSHIMA MITSUAKI; KOMODA HIDEAKI; USHIGOME HISASHI  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): SG 9800736 A 19940119  
 IPC: \* G11B-019/02; G11B-007/007  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 95-116722; G 95-341616; G 96-062972; G 98-181451  
 Language of Document: English  
 Patent (No,Kind,Date): SG 8200519 A1 20010821  
 INFORMATION RECORDING MEDIUM AND METHOD OF FABRICATING THE SAME  
 (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): MITSUAKI OSHIMA; HIDEAKI KOMODA; HISASHI USHIGOME  
 Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
 19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
 93297504 A 19931102; JP 93314114 A 19931119  
 Applic (No,Kind,Date): SG 9502012 A 19940119  
 IPC: \* G11B-013/04; G11B-023/44  
 Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
 95-116722; G 95-341616; G 96-062972; G 98-181451; G 01-018026  
 Language of Document: English  
 Patent (No,Kind,Date): SG 8300122 A1 20010918  
 AN OPTICAL DISK, AN OPTICAL DISK BARCODE FORMING METHOD, AND OPTICAL  
 DISK REPRODUCTION APPARATUS, A MARKING FORMING APPARATUS, A METHOD OF  
 FORMING A LASER MARKING ON AN OPTICAL DISK, AND A METHOD OF  
 MANUFACTURING AN OPTICAL DISK (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
 Author (Inventor): GOTOH YOSHIBO; OSHIMAI MITSUAKI; TANAKA SHINICHI;  
 KOISHI KENJI; MORIYA MITSURO  
 Priority (No,Kind,Date): JP 95261247 A 19951009; JP 968910 A  
 19960123  
 Applic (No,Kind,Date): SG 9901814 A 19960515  
 IPC: \* G11B-007/24; G11B-007/00  
 Derwent WPI Acc No: \* G 96-268785; G 97-236117; G 97-236119  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5473584 A 19951205  
 RECORDING AND REPRODUCING APPARATUS (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): OSHIMA MITSUAKI (JP)  
 Priority (No,Kind,Date): US 281337 A 19940727; JP 9213809 A

(English)

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OHSIMA MITSEUAKI (JP); KOMODA HIDEAKI (JP);  
USIGOME HISASI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): KR 941111 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: Korean

Patent (No,Kind,Date): KR 217013 B1 19991001  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSHIMA MITZAKI (JP); SHIMIZ RYOOSKI (JP); KOUDO  
DOSHIKAZ (JP); YOSHIHURA SKASHA (JP); MASURA TAKUMI (JP); DANAKA  
MICHIO (JP); DAN SADOSHI (JP)  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A  
19930325; JP 93107423 A 19930409; JP 93205682 A 19930727; JP  
93297504 A 19931102; JP 93314114 A 19931119  
Applic (No,Kind,Date): KR 941112 A 19940121  
IPC: \* G11B-011/00  
Derwent WPI Acc No: \* C 94-236841; G 93-313529; G 94-242360; G  
95-116722; G 95-341616; G 96-062972; G 98-181451

Language of Document: Korean

Patent (No,Kind,Date): KR 237555 B1 20000201  
RECORDING/REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
Author (Inventor): OSIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 93205682 A 19930727; JP 93297504 A  
19931102; JP 93314114 A 19931119; JP 94104879 A 19940418; JP  
94156089 A 19940707  
Applic (No,Kind,Date): KR 9418308 A 19940727  
IPC: \* G11B-007/00  
Derwent WPI Acc No: \* C 94-236841; G 94-242360; G 95-116722; G  
95-246541; G 95-341616; G 95-373939; G 96-062972; G 98-181451

Language of Document: Korean

Patent (No,Kind,Date): KR 9602468 B1 19960217  
TRANSMITTER (English)  
Patent Assignee: MATSUSITA ELECTRIC IND K K (JP)  
Author (Inventor): OOSIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9267934 A 19920326; JP 92256070 A  
19920925  
Applic (No,Kind,Date): KR 934766 A 19930326  
IPC: \* H04L-027/36  
Derwent WPI Acc No: \* G 93-305235; G 94-103292  
JAPIO Reference No: \* 180486E000144  
Language of Document: Korean

Patent (No,Kind,Date): KR 9602703 B1 19960224  
SIGNAL TRANSMISSION SYSTEM (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND K K (JP)  
Author (Inventor): OSHIMA MITSUAKI (JP)  
Priority (No,Kind,Date): JP 9162798 A 19910327; JP 9195813 A  
19910425; JP 91155650 A 19910529; JP 91182236 A 19910723  
Applic (No,Kind,Date): KR 924913 A 19920326  
IPC: \* H04N-007/12  
Derwent WPI Acc No: \* G 92-325674  
JAPIO Reference No: \* 180152E000002  
Language of Document: Korean

SINGAPORE (SG)

Patent (No,Kind,Date): SG 5400982 A1 19981221  
RECORDING AND REPRODUCING APPARATUS (English)  
Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD  
Author (Inventor): OSHIMA MITSUAKI; SHIMIZU RYOSUKE; KOUDO TOSHIKAZU;  
YOSHIURA TSUKASA; MATSUURA TAKUMI; TANAKA MITIRO; TAN SATOSHI  
Priority (No,Kind,Date): JP 938596 A 19930121; JP 9392219 A

			JP 9250328	A	19920309
US 6243330	P	19920326	US AA		PRIORITY (PATENT)
			JP 9268031	A	19920326
US 6243330	P	19920430	US AA		PRIORITY (PATENT)
			JP 92111176	A	19920430
US 6243330	P	19920722	US AA		PRIORITY (PATENT)
			JP 92194450	A	19920722
US 6243330	P	19920925	US AA		PRIORITY (PATENT)
			JP 92280874	A	19920925
US 6243330	P	19930121	US AA		PRIORITY (PATENT)
			JP 938596	A	19930121
US 6243330	P	19930127	US AA		PRIORITY (CONTINUATION IN PART)
			US 9709	A2	19930127
US 6243330	P	19930325	US AA		PRIORITY (PATENT)
			JP 9392219	A	19930325
US 6243330	P	19930409	US AA		PRIORITY (PATENT)
			JP 93107423	A	19930409
US 6243330	P	19930727	US AA		PRIORITY (PATENT)
			JP 93205682	A	19930727
US 6243330	P	19931102	US AA		PRIORITY (PATENT)
			JP 93297504	A	19931102
US 6243330	P	19931119	US AA		PRIORITY (PATENT)
			JP 93314114	A	19931119
US 6243330	P	19940121	US AA		PRIORITY (CONTINUATION IN PART)
			US 184117	A2	19940121
US 6243330	P	19940418	US AA		PRIORITY (PATENT)
			JP 94104879	A	19940418
US 6243330	P	19940707	US AA		PRIORITY (PATENT)
			JP 94156089	A	19940707
US 6243330	P	19940727	US AA		PRIORITY (DIVISION)
			US 281337	A3	19940727
US 6243330	P	19950927	US AA		PRIORITY (CONTINUATION)
			US 534771	A1	19950927
US 6243330	P	19971113	US AA		PRIORITY (DIVISION)
			US 970162	A3	19971113
US 6243330	P	19990505	US AE		APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))		
			US 305318	A	19990505
US 6243330	P	20010605	US BA		PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6243330	P	20020212	US CC		CERTIFICATE OF CORRECTION
US 6256357	P	19920326	US AA		PRIORITY (PATENT)
			JP 9267934	A	19920326
US 6256357	P	19920925	US AA		PRIORITY (PATENT)
			JP 92256070	A	19920925
US 6256357	P	19930325	US AA		PRIORITY (DIVISION)
			US 37108	A3	19930325
US 6256357	P	19980417	US AA		PRIORITY (DIVISION)
			US 61979	A3	19980417
US 6256357	P	19990824	US AE		APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))		
			US 379746	A	19990824
US 6256357	P	20010703	US BA		PATENT (NO PREVIOUS PRE-GRANT PUBLICATION)
US 6266299	P	19961219	US AA		PRIORITY (PATENT)
			JP 96339304	A	19961219
US 6266299	P	19970122	US AA		PRIORITY (PATENT)
			JP 979318	A	19970122
US 6266299	P	19970924	US AA		PRIORITY (PATENT)
			JP 97259110	A	19970924
US 6266299	P	19971217	US AA		PCT-APPLICATION
			WO 97JP4664	W	19971217
US 6266299	P	19990520	US AE		APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))		
			US 308550	A	19990520
US 6266299	P	20010724	US BA		PATENT (NO PREVIOUS



			PRE-GRANT PUBLICATION)	
US 6278671	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6278671	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6278671	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6278671	P	19991116	US AA	PRIORITY (CONTINUATION)
		US 441281	A1	19991116
US 6278671	P	20001004	US AE	APPLICATION DATA (PATENT) (
		APPL. DATA (PATENT))		
		US 679580	A	20001004
US 6278671	P	20010821	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6285762	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6285762	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6285762	P	19960516	US AA	PRIORITY (DIVISION)
		US 649411	A3	19960516
US 6285762	P	19990923	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 401935	A	19990923
US 6285762	P	20010904	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6285763	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6285763	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6285763	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6285763	P	19991116	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 441281	A	19991116
US 6285763	P	20010904	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6285764	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6285764	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6285764	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6285764	P	19991116	US AA	PRIORITY (CONTINUATION)
		US 441281	A1	19991116
US 6285764	P	20001004	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 679233	A	20001004
US 6285764	P	20010904	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6298138	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6298138	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6298138	P	19960516	US AA	PRIORITY (CONTINUATION)
		US 649411	A1	19960516
US 6298138	P	19991116	US AA	PRIORITY (CONTINUATION)
		US 441281	A1	19991116
US 6298138	P	20001004	US AE	APPLICATION DATA (PATENT)
		(APPL. DATA (PATENT))		
		US 679505	A	20001004
US 6298138	P	20011002	US BA	PATENT (NO PREVIOUS
		PRE-GRANT PUBLICATION)		
US 6301569	P	19951009	US AA	PRIORITY (PATENT)
		JP 95261247	A	19951009
US 6301569	P	19960123	US AA	PRIORITY (PATENT)
		JP 968910	A	19960123
US 6301569	P	19960809	US AA	PRIORITY (PATENT)
		JP 96211304	A	19960809

US 6301569	P	19970609	US AA	PRIORITY (CONTINUATION)
			US 849468 A1	19970609
US 6301569	P	19991130	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 450437 A	19991130
US 6301569	P	20011009	US BA	PATENT (NO PREVIOUS
			PRE-GRANT PUBLICATION)	
US 6343282	P	19951009	US AA	PRIORITY (PATENT)
			JP 95261247 A	19951009
US 6343282	P	19960123	US AA	PRIORITY (PATENT)
			JP 968910 A	19960123
US 6343282	P	19960809	US AA	PRIORITY (PATENT)
			JP 96211304 A	19960809
US 6343282	P	19970609	US AA	PRIORITY (CONTINUATION)
			US 849468 A1	19970609
US 6343282	P	19991130	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 450413 A	19991130
US 6343282	P	20020129	US BA	PATENT (NO PREVIOUS
			PRE-GRANT PUBLICATION)	
US 6381588	P	19951009	US AA	PRIORITY (PATENT)
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 Patent (No,Kind,Date): WO 9714144 A1 19970417  
 OPTICAL DISK, OPTICAL RECORDER, OPTICAL REPRODUCING DEVICE, ENCRYPTED COMMUNICATION SYSTEM, AND AUTHORIZING SYSTEM FOR USE OF PROGRAM (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); GOTOH YOSHIHO (JP); TANAKA SHINICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); TAKEMURA YOSHINARI (JP)  
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 Patent (No,Kind,Date): WO 9714146 A1 19970417  
 OPTICAL DISK, BAR CODE FORMATION METHOD FOR OPTICAL DISK, OPTICAL DISK REPRODUCTION APPARATUS, AND MARKING METHOD, LASER MARKING METHOD FOR OPTICAL DISK, AND METHOD OF OPTICAL DISK PRODUCTION (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP)  
 Author (Inventor): GOTOH YOSHIHO; OSHIMA MITSUAKI; TANAKA SHINICHI; KOISHI KENJI; MORIYA MITSUROU  
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 Language of Document: Japanese  
 Patent (No,Kind,Date): WO 9827553 A1 19980625  
 OPTICAL DISK, METHOD FOR RECORDING AND REPRODUCING WRITE-ONCE INFORMATION ON AND FROM OPTICAL DISK, OPTICAL DISK REPRODUCING DEVICE, OPTICAL DISK RECORDING AND REPRODUCING DEVICE, DEVICE FOR RECORDING WRITE-ONCE INFORMATION ON OPTICAL DISK, AND OPTICAL DISK RECORDING DEVICE (English)  
 Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (JP); OSHIMA MITSUAKI (JP); KONISHI SHINICHI (JP); TANAKA SHIN ICHI (JP); KOISHI KENJI (JP); MORIYA MITSUROU (JP); GOTOH YOSHIHO (JP); TAKEMURA YOSHINARI (JP); MIYATAKE NORIO (JP); MURAKAMI MOTOYOSHI (JP)  
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